

作成承認印

配布許可印

**Nikon ZOOM800****FCA42001****Nikon ZOOM800 QD****FCA42201****PARTS LIST**

修理部品表

Nikon | NIKON CORPORATION
Tokyo, Japan

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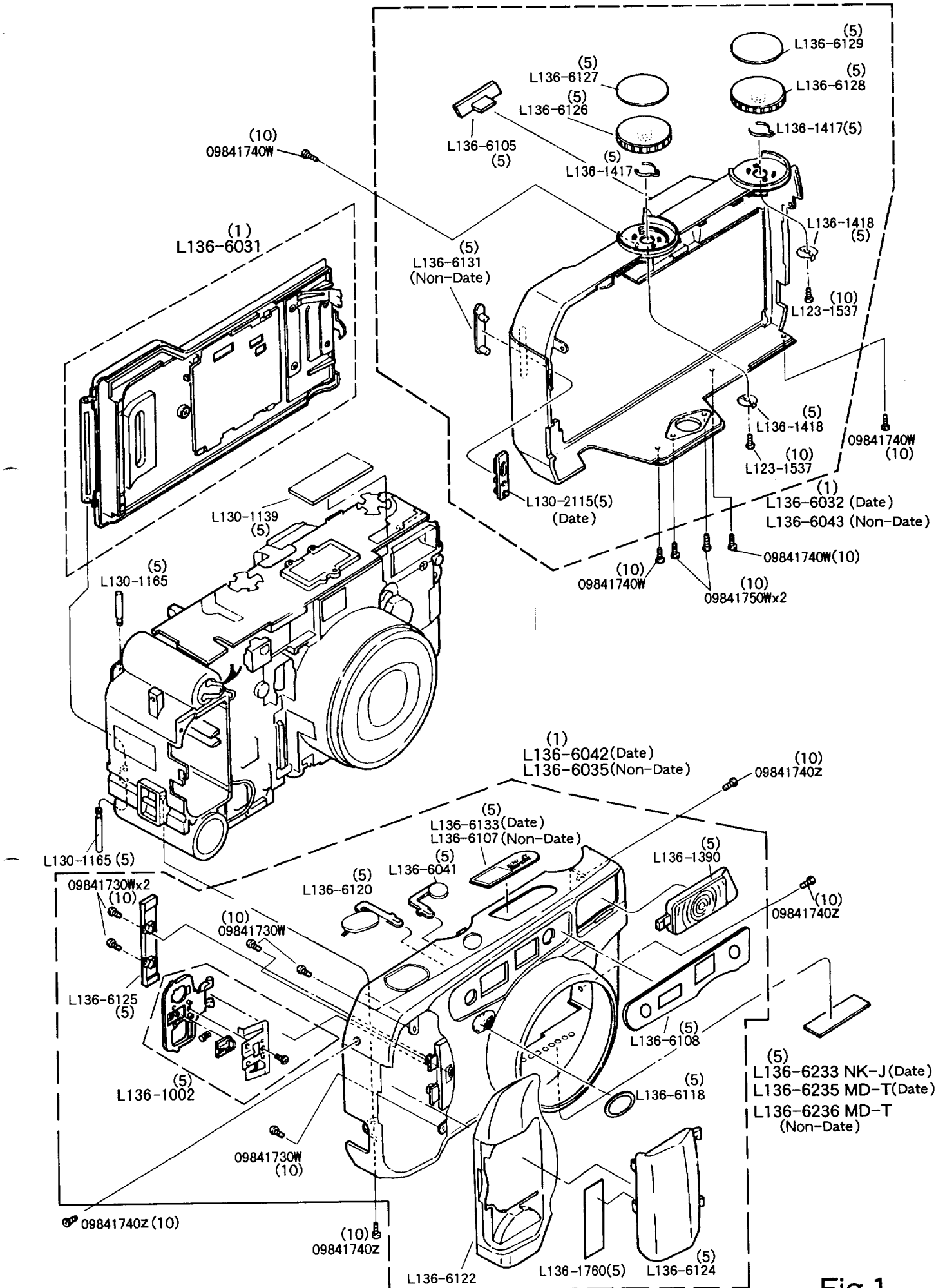


Fig.1

L136-1051 (1)

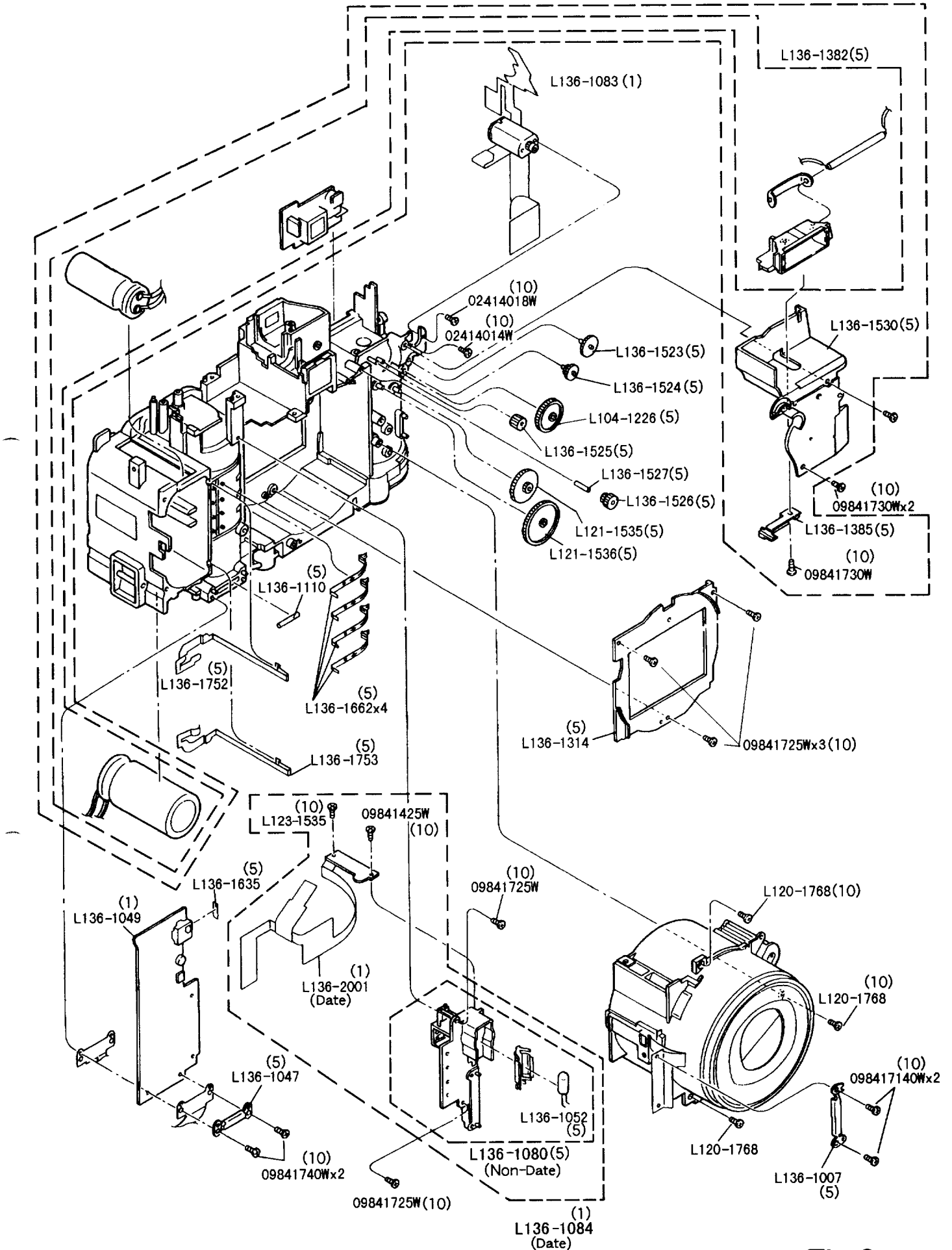


Fig.2

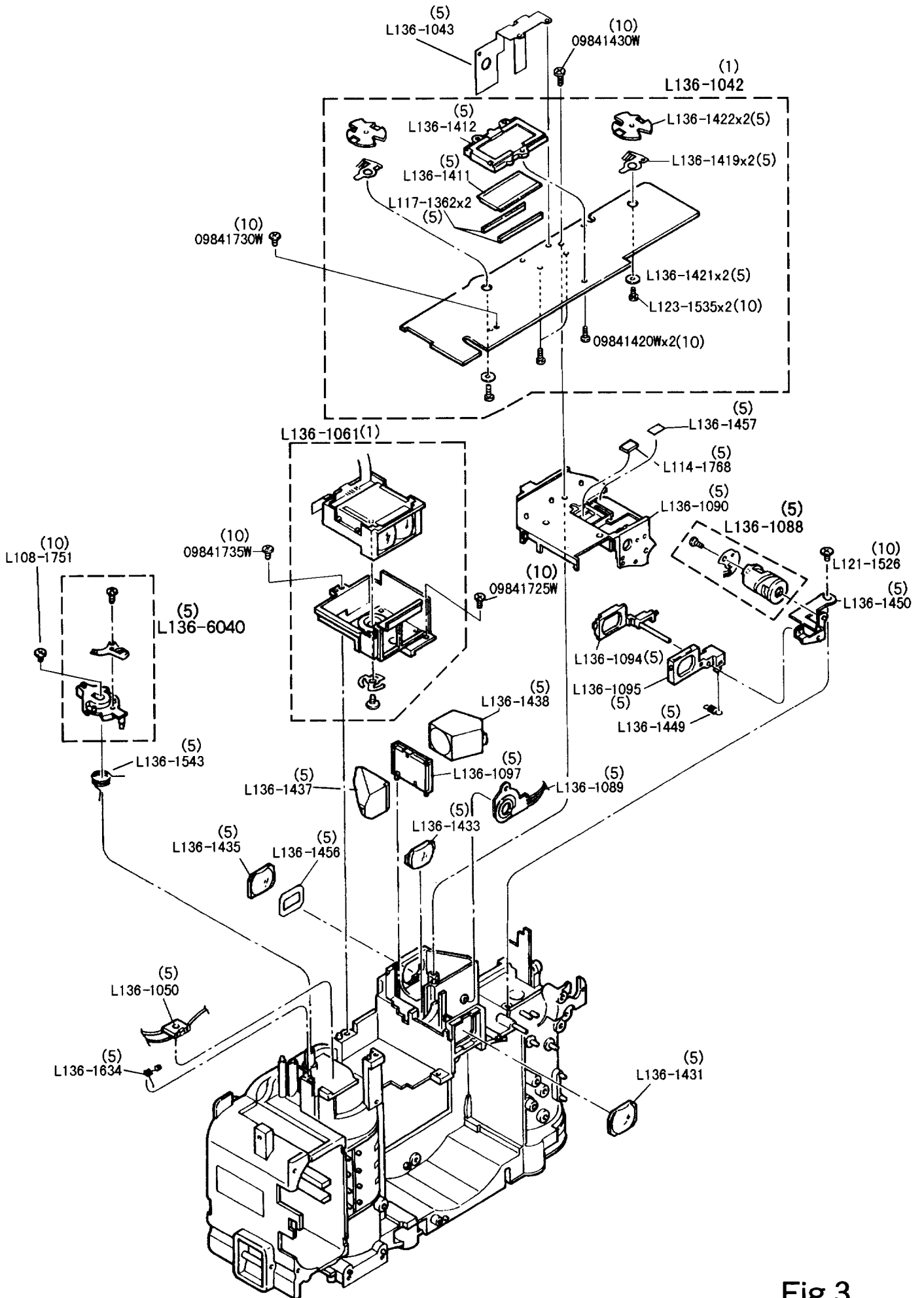


Fig.3

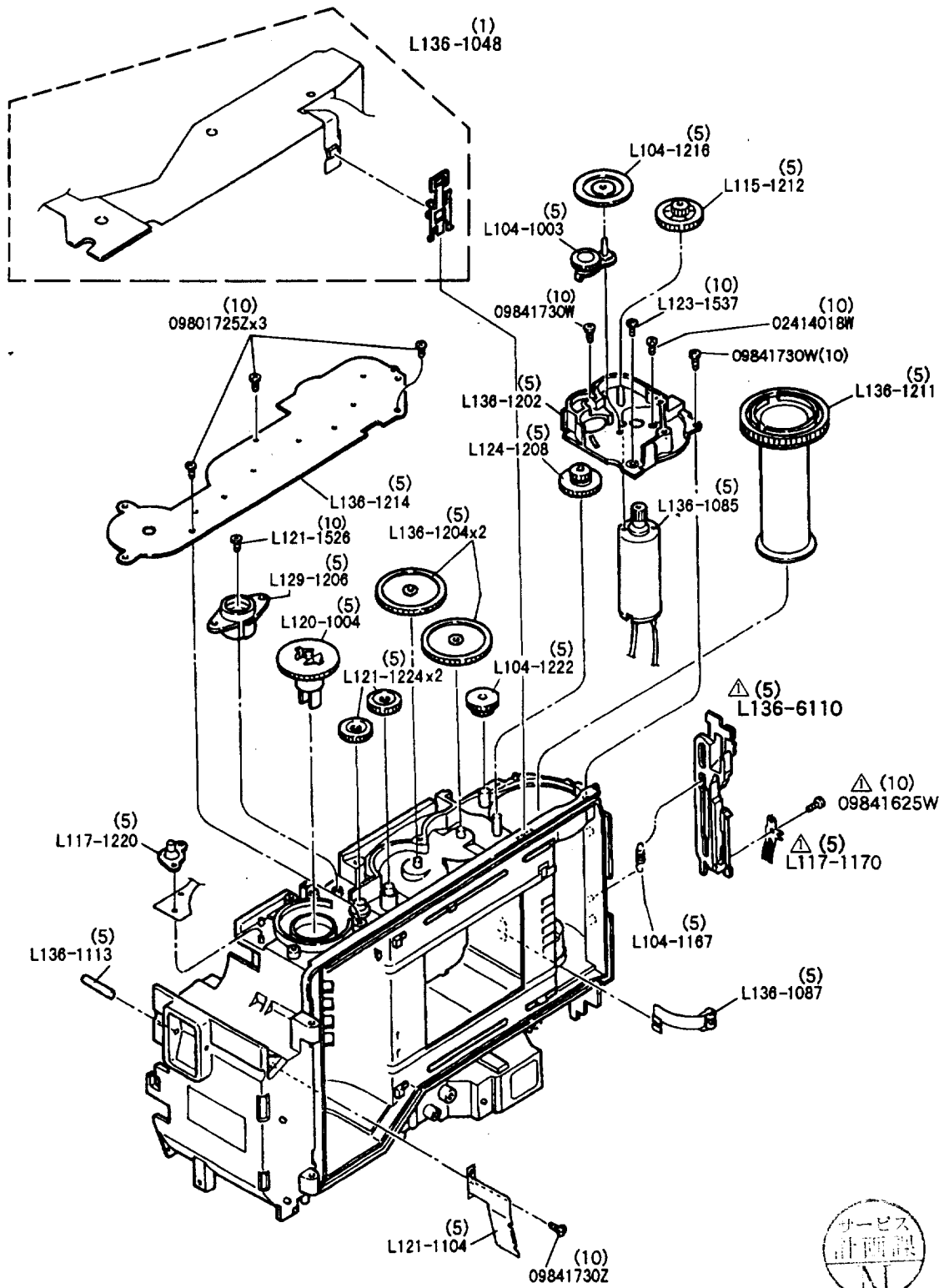


Fig.4

DEC.25.1998

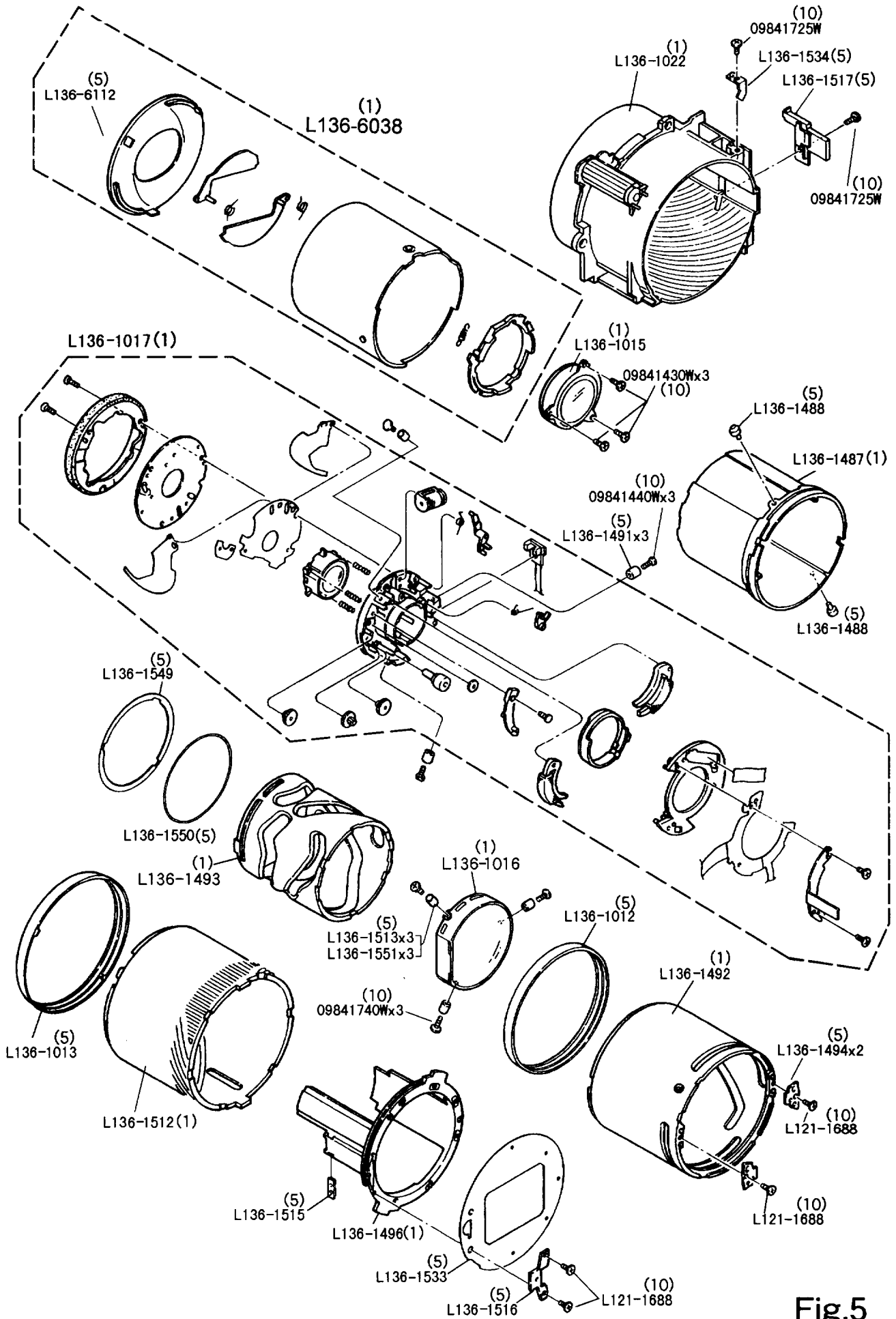


Fig.5

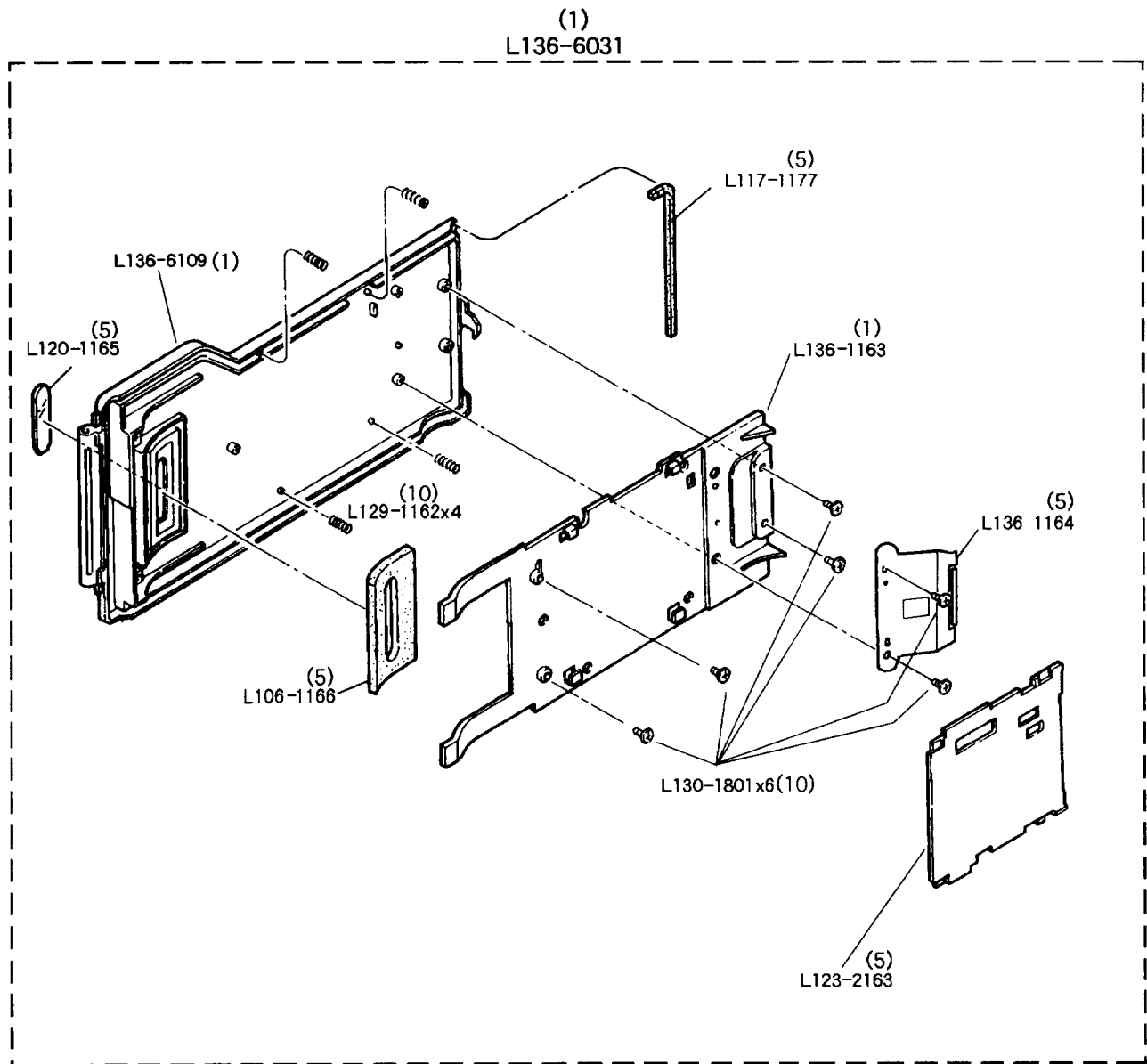


Fig.6

部品表 Parts List

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
02414014W (02414014W)		SCREW SCREW	1		2	○		10
02414018W (02414018W)		SCREW SCREW	2		2 4	○		10
09801725Z (09801725Z)		SCREW SCREW	3		4	○		10
09841420W (09841420W)		SCREW SCREW	2	L136-1042	3	○△		10
09841425W (09841425W)		SCREW SCREW	1	L136-1084	2	○△		10
09841430W (09841430W)		SCREW SCREW	4	L136-6038	3 5	○△		10
09841440W (09841440W)		SCREW SCREW	3		5	○		10
09841725W (09841725W)		SCREW SCREW	7		2 3 5	○		10
09841730W (09841730W)		SCREW SCREW	11	L136-6035	1 2 3 4	○△		10
09841730Z (09841730Z)		SCREW SCREW	1		4	○		10
09841735W (09841735W)		SCREW SCREW	1		3	○		10
09841740W (09841740W)		SCREW SCREW	11		1 2	○		10
09841740Z (09841740Z)		SCREW SCREW	4		1	○		10
09841750W (09841750W)		SCREW SCREW	2		1	○		10
L104-1003 (L104-1003)		切替レバー部組 CHANGE LEVER UNIT	1		4	○		5
L104-1167 (L104-1167)		裏蓋開閉鉤バネ SPRING	1		4	○		5

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
L104-1216 (L104-1216)		ギア 4-5 GEAR 4-5	1		4	○		5
L104-1222 (L104-1222)		ギア 8-9 GEAR 8-9	1		4	○		5
L104-1226 (L104-1226)		ギア 16 GEAR 16	1		2	○		5
L106-1166 (L106-1166)		遮光モルト LIGHT SHIELD SPONGE	1	L136-6031	6	○△		5
L108-1751 (L108-1751)		SCREW SCREW	1		3	○		10
L114-1768 (L114-1768)		補正フィルター FILTER	1		3	○		5
L115-1212 (L115-1212)		ギア 2-3 GEAR 2-3	1		4	○		5
L117-1177 (L117-1177)		遮光モルト LIGHT SHIELD SPONGE	1	L136-6031	6	○△		5
L117-1220 (L117-1220)		巻き戻しSW REWIND SW	1		4	○		5
L117-1362 (L117-1362)		ゼブラコネクター ELASTIC CONNECTER	2	L136-1042	3	○△		5
L120-1004 (L120-1004)		フォーク部組 FORK UNIT	1		4	○		5
L120-1165 (L120-1165)		フィルム窓 FILM WINDOW	1	L136-6031	6	○△		5
L120-1768 (L120-1768)		SCREW SCREW	3		2	○		10
L121-1104 (L121-1104)		パトローネ押さえ PATORONE RETAINER	1		4	○		5
L121-1224 (L121-1224)		巻き戻しギア5 REWIND GEAR 5	2		4	○		5
L121-1526 (L121-1526)		SCREW SCREW	2		3 4	○		10

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Qty per order
L121-1535 (L121-1535)		レンズズームギア5 LENS ZOOM GEAR 5	1		2	○		5
L121-1536 (L121-1536)		レンズズームギア6 LENS ZOOM GEAR 6	1		2	○		5
L121-1688 (L121-1688)		SCREW SCREW	4		5	○		10
L123-1535 (L123-1535)		SCREW SCREW	3	L136-1042	2 3	○△		10
L123-1537 (L123-1537)		SCREW SCREW	3	L136-6043	1 4	○△		10
L123-2163 (L123-2163)		圧板 PRESSURE PLATE	1	L136-6031	6	○△		5
L124-1208 (L124-1208)		巻き戻しギア1 REWIND GEAR 1	1		4	○		5
L129-1162 (L129-1162)		圧板バネ PRESSURE PLATE SPRING	4	L136-6031	6	○△		10
L129-1206 (L129-1206)		三脚座 TRIPOD SOCKET PEDESTAL	1		4	○		5
L130-1801 (L130-1801)		SCREW SCREW	6	L136-6031	6	○△		10
L136-1002 (L136-1002)		電池ロック爪部組 BATTERY LOCK CLOW UNIT	1	L136-6035	1	○△		5
L136-1007 (L136-1007)		PCB押さえ部組B PCB RETAINER UNIT B	1		2	○		5
L136-1012 (L136-1012)		飾りリングA DECORATION RING A	1		5	○		5
L136-1013 (L136-1013)		飾りリングB DECORATION RING B	1		5	○		5
L136-1015 (L136-1015)		1群レンズ室部組 1ST LENS HOUSING UNIT	1	L136-6038	5	○△		1
L136-1016 (L136-1016)		3群レンズ室部組 3RD LENS HOUSING UNIT	1		5	○		1

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
L136-1017 (L136-1017)		シャッター部組 SHUTTER UNIT	1		5	○		1
L136-1022 (L136-1022)		外ヘリコイド部組 OUTER HELICOID UNIT	1		5	○		1
L136-1042 (L136-1042)		メインPCB部組 MAIN PCB UNIT	1		3	○		1
L136-1043 (L136-1043)		表示LED FPC部組 DISPLAY LED FPC UNIT	1		3	○		5
L136-1047 (L136-1047)		PCB押さえ部組A PCB RETAINER UNIT A	1		2	○		5
L136-1048 (L136-1048)		IF FPC部組 IF FPC UNIT	1		4	○		1
L136-1049 (L136-1049)		前面FPC部組 FRONT FPC UNIT	1		2	○		1
L136-1050 (L136-1050)		リリースSW部組 RELEASE SW UNIT	1		3	○		5
L136-1051 (L136-1051)		SBズーム部組 SB ZOOM UNIT	1		2	○		1
L136-1052 (L136-1052)		赤目ランプ RED-EYE REDUCTION LAMP	1	L136-1080	2	○△		5
L136-1061 (L136-1061)		AF部組 AF UNIT	1		3	○		1
L136-1080 (L136-1080)		CASカバー部組 CAS COVER UNIT	1		2	○		5
L136-1083 (L136-1083)		ズームモーター部組 ZOOM MOTOR UNIT	1		2	○		1
L136-1085 (L136-1085)		給送モーター部組 FILM ADVANCE MOTOR UNIT	1		4	○		5
L136-1087 (L136-1087)		スプールローラー部組 SPOOL ROLLER UNIT	1		4	○		5
L136-1088 (L136-1088)		Fズームカム部組 FINDER ZOOM CAM UNIT	1		3	○		5

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
L136-1089 (L136-1089)		Z P抵抗部組 ZP RESISTER UNIT	1		3	○		5
L136-1090 (L136-1090)		ファインダー上枠部組 FINDER UPPER FRAM UNIT	1		3	○		5
L136-1094 (L136-1094)		ファインダー部組 4 FINDER UNIT 4	1		3	○		5
L136-1095 (L136-1095)		ファインダー部組 2 FINDER UNIT 2	1		3	○		5
L136-1097 (L136-1097)		接眼枠部組 EYEPICCE FRAME UNIT	1		3	○		5
L136-1110 (L136-1110)		F P C押さえゴム FPC RETAINER RUBBER	1		2	○		5
L136-1113 (L136-1113)		ストラップ軸 STRAP SHAFT	1		4	○		5
L136-1139 (L136-1139)		LED遮光板 LED SHIELD PLATE	1		1	○		5
L136-1163 (L136-1163)		圧板基板 PRESSURE PLATE BASE	1	L136-6031	6	○△		1
L136-1164 (L136-1164)		フィルム押さえ FILM RETAINER	1	L136-6031	6	○△		5
L136-1165 (L136-1165)		ヒンジピン HINGE PIN	2		1	○		5
L136-1202 (L136-1202)		巻き上げモーター枠 FILM ADVANCE MOTOR FRAME	1		4	○		5
L136-1204 (L136-1204)		巻き戻しギア 2 REWIND GEAR 2	2		4	○		5
L136-1211 (L136-1211)		スプール SPOOL	1		4	○		5
L136-1214 (L136-1214)		ギア押さえ板 GEAR RETAINER PLATE	1		4	○		5
L136-1314 (L136-1314)		パノラマ基板 PANORAMA BASE PLATE	1		2	○		5

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
L136-1382 (L136-1382)		SB部組 SB UNIT	1	L136-1051	2	○△		5
L136-1385 (L136-1385)		SB枠押さえ SB FRAME RETAINER	1	L136-1051	2	○△		5
L136-1390 (L136-1390)		プロテクター PROTECTOR	1	L136-6035	1	○△		5
L136-1411 (L136-1411)		外LCD EXTERNAL LCD	1	L136-1042	3	○△		5
L136-1412 (L136-1412)		外LCD枠 EXTERNAL LCD FRAME	1	L136-1042	3	○△		5
L136-1417 (L136-1417)		ダイヤルクリック板 DIAL CLICK PLATE	2	L136-6043	1	○△		5
L136-1418 (L136-1418)		ダイヤル押さえ DIAL RETAINER	2	L136-6043	1	○△		5
L136-1419 (L136-1419)		ダイヤルブラシ DIAL BRUSH	2	L136-1042	3	○△		5
L136-1421 (L136-1421)		ダイヤルブラシ受け DIAL BRUSH HOLDER	2	L136-1042	3	○△		5
L136-1422 (L136-1422)		ダイヤル受け座 DIAL HOLDER BASE	2	L136-1042	3	○△		5
L136-1431 (L136-1431)		ファインダーレンズ1 FINDER LENS 1	1		3	○		5
L136-1433 (L136-1433)		ファインダーレンズ3 FINDER LENS 3	1		3	○		5
L136-1435 (L136-1435)		ファインダーレンズ5 FINDER LENS 5	1		3	○		5
L136-1437 (L136-1437)		プリズム1 PRISM 1	1		3	○		5
L136-1438 (L136-1438)		プリズム2 PRISM 2	1		3	○		5
L136-1449 (L136-1449)		ファインダーバネ1 FINDER SPRING 1	1		3	○		5

部品表 Parts List

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
L136-1450 (L136-1450)		ファインダーズームカム押さえ FINDER ZOOM CAM RETAINER	1		3	○		5
L136-1456 (L136-1456)		接眼マスク EYE PIECE MASK	1		3	○		5
L136-1457 (L136-1457)		遮光テープ LIGHT SHIELD TAPE	1		3	○		5
L136-1487 (L136-1487)		ズーム環 ZOOM RING	1		5	○		1
L136-1488 (L136-1488)		ガイドピン GUIDE PIN	2		5	○		5
L136-1491 (L136-1491)		2群ズームローラー 2ND GROUP ZOOM ROLLER	3		5	○		5
L136-1492 (L136-1492)		ズームカム環 ZOOM CAM RING	1		5	○		1
L136-1493 (L136-1493)		レンズカム環 LENS CAM RING	1		5	○		1
L136-1494 (L136-1494)		カム駆動板 CAM DRIVING PLATE	2		5	○		5
L136-1496 (L136-1496)		ヘリコイド環 HELICOID RING	1		5	○		1
L136-1512 (L136-1512)		内ヘリコイド INNER HELICOID	1		5	○		1
L136-1513 (L136-1513)		3群ズームローラーA 3RD GROUP ZOOM ROLLER A	0-3		5	○		5
L136-1515 (L136-1515)		FPCガイド1 FPC GUIDE 1	1		5	○		5
L136-1516 (L136-1516)		FPCガイド2 FPC GUIDE 2	1		5	○		5
L136-1517 (L136-1517)		FPCガイド3 FPC GUIDE 3	1		5	○		5
L136-1523 (L136-1523)		ズームギア2 ZOOM GEAR 2	1		2	○		5

部品表 Parts List

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Qty per order
L136-1524 (L136-1524)		ズームギア3 ZOOM GEAR 3	1		2	○		5
L136-1525 (L136-1525)		ズームギア4 ZOOM GEAR 4	1		2	○		5
L136-1526 (L136-1526)		ズームギア5 ZOOM GEAR 5	1		2	○		5
L136-1527 (L136-1527)		ズームギア5軸 ZOOM GEAR 5 SHAFT	1		2	○		5
L136-1530 (L136-1530)		ズームギア枠 ZOOM GEAR FRAME	1	L136-1051	2	○△		5
L136-1533 (L136-1533)		遮光板 LIGHT SHIELD PLATE	1		5	○		5
L136-1534 (L136-1534)		曲げ板 BENT PLATE	1		5	○		5
L136-1543 (L136-1543)		ズーム紐バネ ZOOM BUTTON SPRING	1		3	○		5
L136-1549 (L136-1549)		遮光環 LIGHT SHIELD RING	1		5	○		5
L136-1550 (L136-1550)		遮光環 LIGHT SHIELD RING	1		5	○		5
L136-1551 (L136-1551)		3群ズームローラーB 3RD GROUP ZOOM ROLLER B	0-3		5	○		5
L136-1634 (L136-1634)		リリース紐バネ RELEASE BUTTON SPRING	1		3	○		5
L136-1635 (L136-1635)		リモコン反射シート SHEET	1		2	○		5
L136-1662 (L136-1662)		D X 接片 DX CONTACT	4		2	○		5
L136-1752 (L136-1752)		電池接片A BATTERY CONTACT A	1		2	○		5
L136-1753 (L136-1753)		電池接片B BATTERY CONTACT B	1		2	○		5

部品表 Parts List

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部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分 個数 Pcs. Per Unit	部組品番号 Assembly No.	参照 図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Qty per order
L136-1760 (L136-1760)		電池装着シール BATTERY SEAL	1	L136-6035	1	○△		5
L136-6031 (L136-6031)		裏蓋部組 BACK DOOR UNIT	1		1 6	○△		1
L136-6035 (L136-6035)		前カバー部組 FRONT COVER UNIT	1		1	○		1
L136-6040 (L136-6040)		ズーム釦部組 ZOOM BUTTON UNIT	1		3	○		5
L136-6041 (L136-6041)		S Bモード釦部組 SB MODE BUTTON UNIT	1	L136-6035	1	○△		5
L136-6043 (L136-6043)		後カバー部組 REAR COVER UNIT	1		1	○		1
L136-6038 (L136-6038)		バリア部組 BARRIER UNIT	1		5	○		1
L136-6105 (L136-6105)		遮光板A SHIELD PLATE A	1	L136-6043	1	○△		5
L136-6107 (L136-6107)		LCDパネル LCD PANEL	1	L136-6035	1	○△		5
L136-6108 (L136-6108)		ファインダーパネル FINDER PANEL	1	L136-6035	1	○△		5
L136-6109 (L136-6109)		裏蓋 BACK DOOR	1	L136-6031	6	○△		1
△ L136-6110 (L136-6110)		裏蓋開閉釦 BACK DOOR OPENER BUTOON	1		4	○	RP-9808	5
L136-6112 (L136-6112)		バリアカバー BARRIER COVER	1	L136-6038	5	○△		5
L136-6118 (L136-6118)		赤目ランプ RED-EYE REDUCTION LAMP	1	L136-6035	1	○△		5
L136-6120 (L136-6120)		リリース釦部組 RELEASE BUTTON UNIT	1	L136-6035	1	○△		5
L136-6122 (L136-6122)		電池蓋カバー BATTERY LID COVER	1	L136-6035	1	○△		5
△ L117-1170 (L117-1170)		ブラシ BRUSH	1		4	○	RP-9808	5
△ 09841625W (09841625W)		SCREW SCREW	1		4	○	RP-9808	5

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MAJOR SPECIFICATIONS

Typile : Fully automatic 35 mm autofocus lens shutter camera with built-in zoom lens

Lens : 38 mm f/4.5-130 mm f/9.5 zoom lens

6 elements, 3 groups

Focusing : Multi-autofocus type with single AF facility

Passive type with auxiliary AF light in dark conditions

Multi-autofocus in 7 zones

Min. focus distance: 1.0 m (3.3 ft.)-infinity

Shutter : Programmed electronic shutter: 2- 1/330 sec.

Viewfinder : Real image zoom viewfinder

Coverage Over 80% both horizontally and vertically at distance 3m.

Diopter -1 dpt

Magnification Wideend : 0.39× Tele end : 1.27×

Exposure Adjustment : Dual SPD photocell, Programmed zoom AE with automatic backlight control

Coupling range EV3.5- 17 (Wide, ISO 100). EV5.8-19.3 (Tele) (ISO 100)

Film Speed : ISO 50-3200, Compatible with DX code system, Non-DX films are set to ISO 100

Film Load/Wind/Rewinding : Auto-load system pre-wind system. Film pre-winds to the last
frame number when back cover closed.

Mid-roll rewind possible

Exposure Counter : Electronic, Counts down number of exposures left

Built-in Flash : Electronic Flash automatically activates in dim light and backlight.

Modes: Auto, Red eye reduction, On, Off, Slow synchro, Red eye reduction slow synchro

Flash Range : Guide number : 17-21 (ISO 100/m)
56-69 (ISO 100/ft.)

(ISO 100) Wide : 1m-5.3 m (3.3 ft.-17.5 ft.)

Tele : 1m-3.2 m (3.3 ft.-10.5 ft.)

(ISO 400) Wide : 1m-10.6 m (3.3 ft.-35 ft.)

Tele : 1m-6.4 m (3.3 ft.-21 ft.)

Flash Recycle Time : Approx. 5 sec.

Self-timer : 10 sec.

Other Features : Twin dial selector with/LED, Zoom flash, Super night mode, Action mode,

Portraitmode, Inf. mode,

Single AF mode. Continuous Shooting mode.

Remote control possible with optional remote controller

Date imprinting (date version)

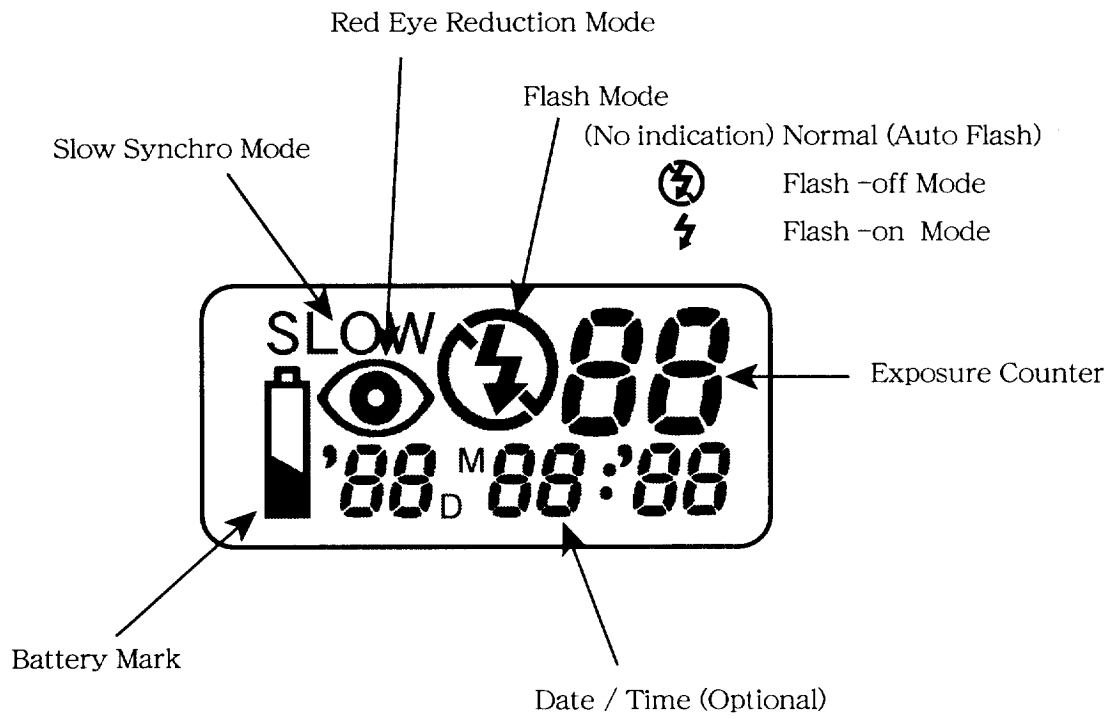
Power Source : 3V Lithium battery x 2 CR 123A or equivalent

Dimensions : 128 mm (W) x 72 mm (H) x 52 mm (D), 5 in. (W).x 2.8 in. (H) x 2 in. (D)

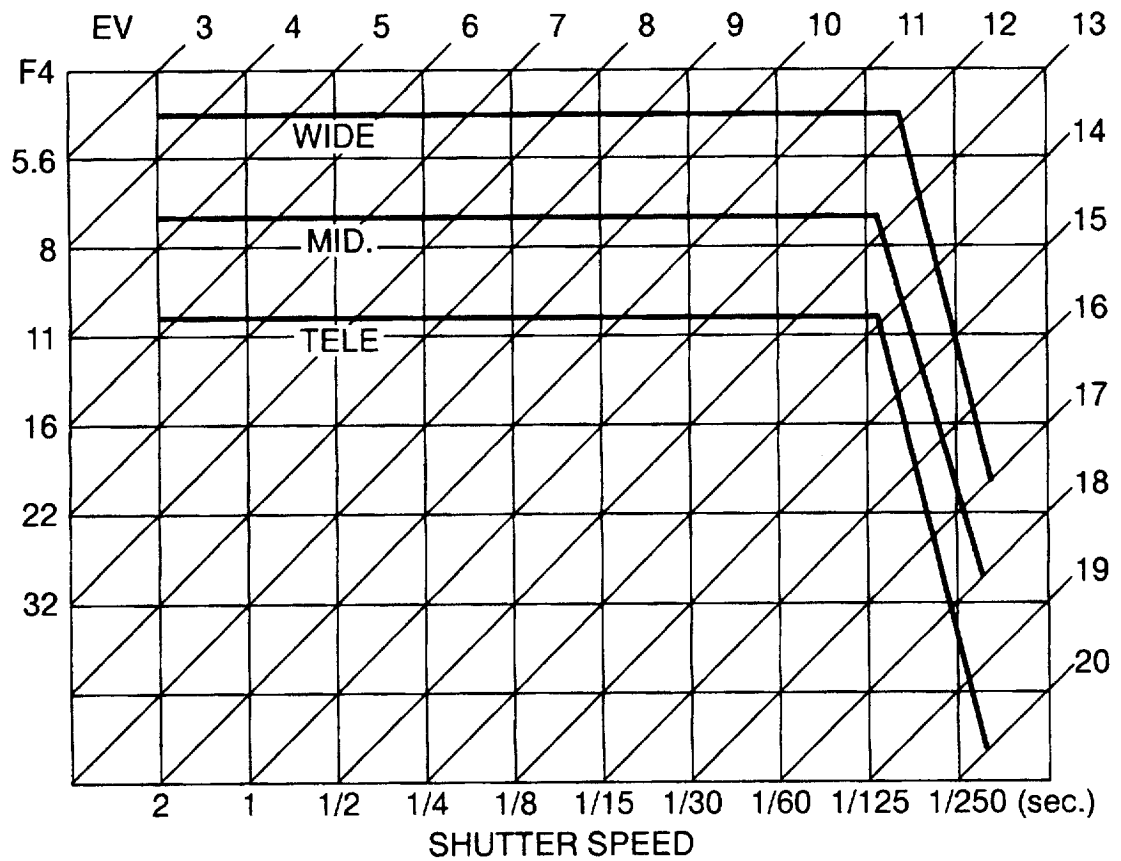
Weight : 295 g/10.4 oz. (without battery)

Specifications subject to change without notice.

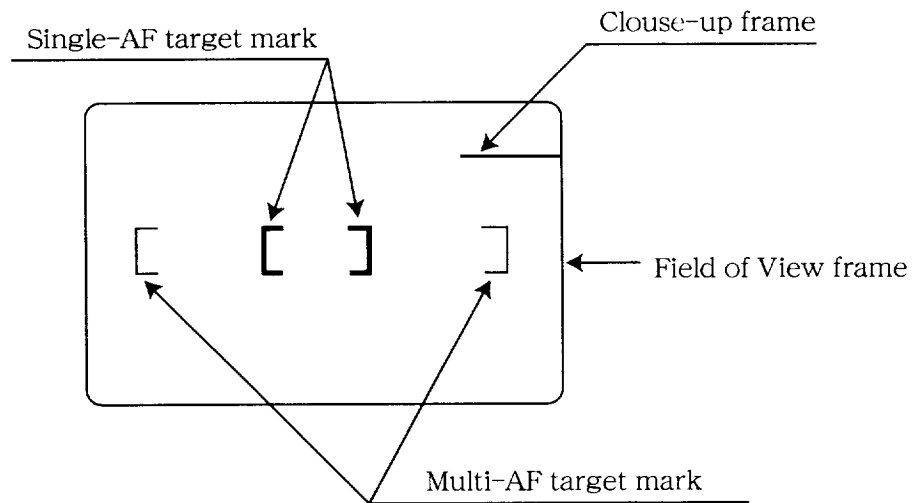
LCD PANEL



SHUTTER PROGRAM LINE



VIEW-FINDER




BATTERY CURRENT

Power source 5.8V 0.68Ω

Standby current 40 μA or less when main SW is off.

Pre-release current 40mA or less when main SW is on and "Auto Power Off" is off.

100 μA or less when main SW is on and "Auto Power Off" is on.

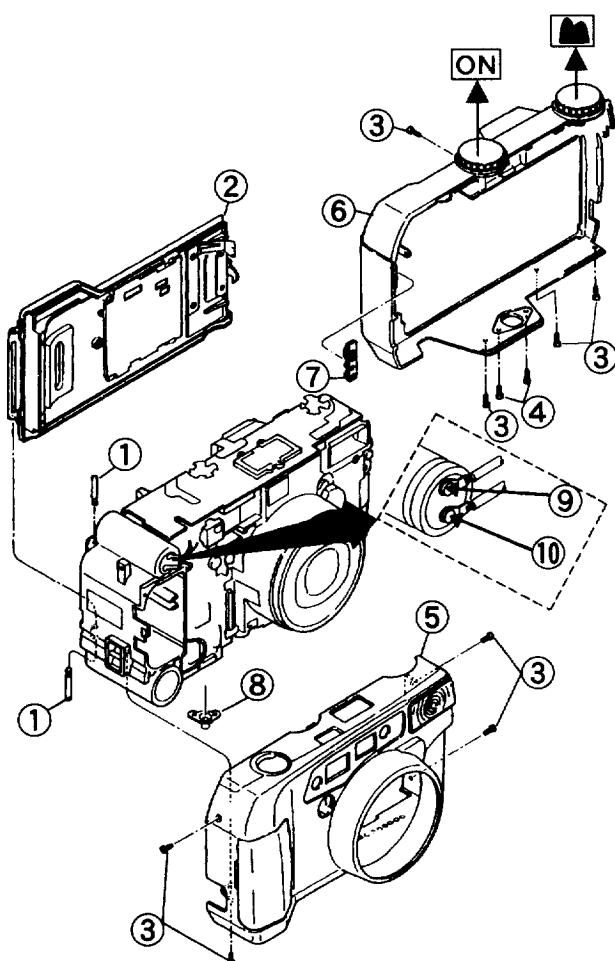
⚠ WARNING	
	<ul style="list-style-type: none"> ● There are high voltage parts inside. Be careful of this electric shock, when you remove the cover. ● You must discharge the main condenser according to the instruction of this repair manual after you remove the front cover.

- ① Remove battery chamber lid and battery before disassembling.
- ② When disassembling, pay attention to the wire arrangement and mounting positions and types of screw to be removed.
- ③ Be sure you are grounded when holding AF sensor unit because static electricity exerts serious adverse effects on IC's.
- ④ When removing gears, make sure to distinguish the front and back sides.

DISASSEMBLING

1. SEPARATING REAR BODY AND LENS BARREL

OUTER PARTS



- (1) Open the BACK COVER (②) and pull out two HINGE PIN (①).
- (2) Remove the BACK COVER UNIT (②).
- (3) Take off two SCREWS (④) and eight SCREWS (③).
- (4) Open the Battery cover and remove the FRONT COVER UNIT (⑤).

CAUTION: To avoid the electric shock, discharge the electricity of the Main capacitor with the shunt resistor (Approx. 500 Ω , 2W) between both terminal of the Main capacitor. (Fig. 1, ⑨-⑩)

- (5) Remove the MR SW (⑧).
- (6) Remove the REAR COVER UNIT (⑥).

[NOTE] When remove the REAR COVER UNIT, the DRIVE DIAL must be set at "ON" position and the MODE DIAL must be set at "INFINITY MODE" position.

- (7) Remove the DATE SW (⑦). (DATE MODEL only)

LENS BARREL UNIT (Fig. 2)

- (1) Take off two SCREWS (①) and remove the FPC HOLDER B (②) then peel off the SHUTTER FPC (⑬).
- (2) Take off three SCREWS (③) and remove the LENS BARREL UNIT (④).

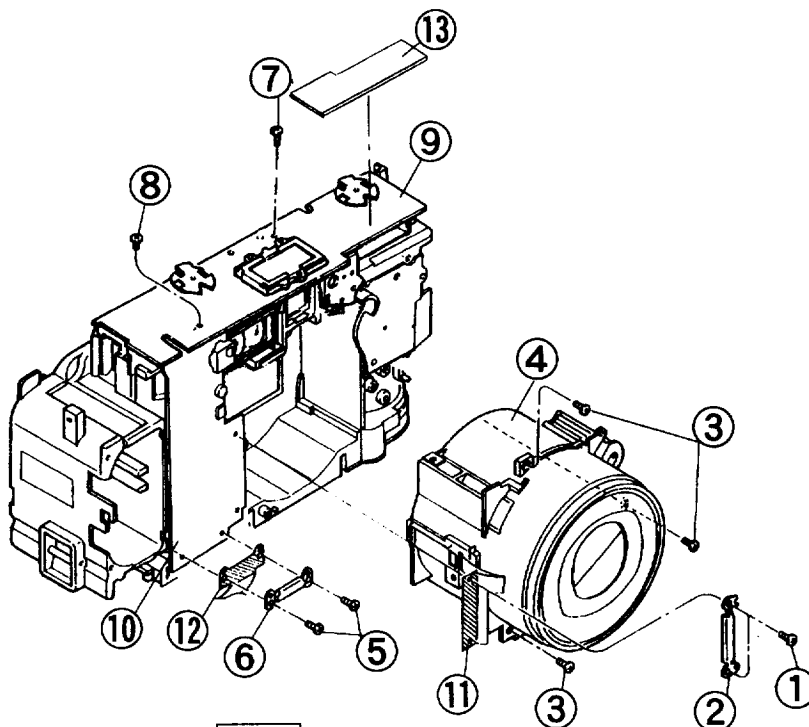


Fig2

2. REAR BODY

FRONT PCB

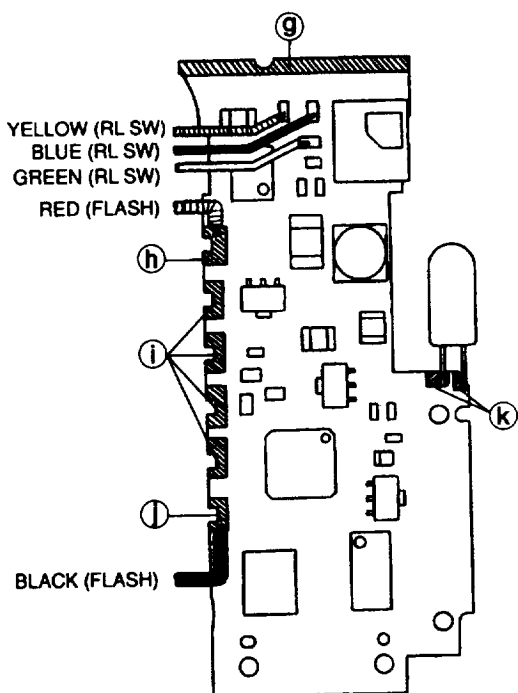


Fig3

- (1) Unsolder two LEAD WIRES (Black,Red: FLASH POWER) on the FRONT PCB.
- (2) Unsolder three LEAD WIRES (Blue, Green, Yellow: RL SW) on the FRONT PCB.
- (3) Unsolder 23 soldering point between the MAIN PCB and the FRONT PCB. (g)

[NOTE] Only when the MAIN PCB and/or the FRONT PCB is replaced.

- (4) Unsolder two soldering point of the BATTERY CONTACTS on the FRONT PCB. (h), (j)
- (5) Unsolder four soldering point of the DX CONTACTS on the FRONT PCB. (i)

[NOTE] Pay attention to the BODY.

- (6) Unsolder two soldering point of the AF LAMP on the FRONT PCB. (k)

MAIN PCB

- (1) Peel off the SHIELD. (Fig. 2-⑬).
- [NOTE] Pay attention to the FPC.
- (2) Unsolder three LEAD WIRES (Black, Orange, White: ZP PLATE) on the MAIN PCB.
- (3) Unsolder 9 soldering point between the MAIN PCB and the AF FPC. (e)
- (4) Unsolder 13 soldering point between the MAIN PCB and the D FPC. (f) (DATE MODEL only)
- (5) Unsolder 5 soldering point between the MAIN PCB and the LED FPC. (d)
- (7) Unsolder 6 soldering point between the MAIN PCB and the MOTOR FPC. (a)
- (8) Unsolder 3 soldering point between the MAIN PCB and the FLASH PCB. (b)
- (9) Take off two SCREWS (⑤) and remove the FPC HOLDER A (⑥) then peel off the SHUTTER FPC (⑫).

(Fig.2)

- (10) Take off the SCREWS (⑦&⑧) the remove the MAIN PCB (⑨) and the FRONT PCB (⑩) together. (Fig. 2)

- (11) Remove the FILTER (①). (Fig. 5)

[NOTE] Do not put any dirt or scratches on the FILTER.

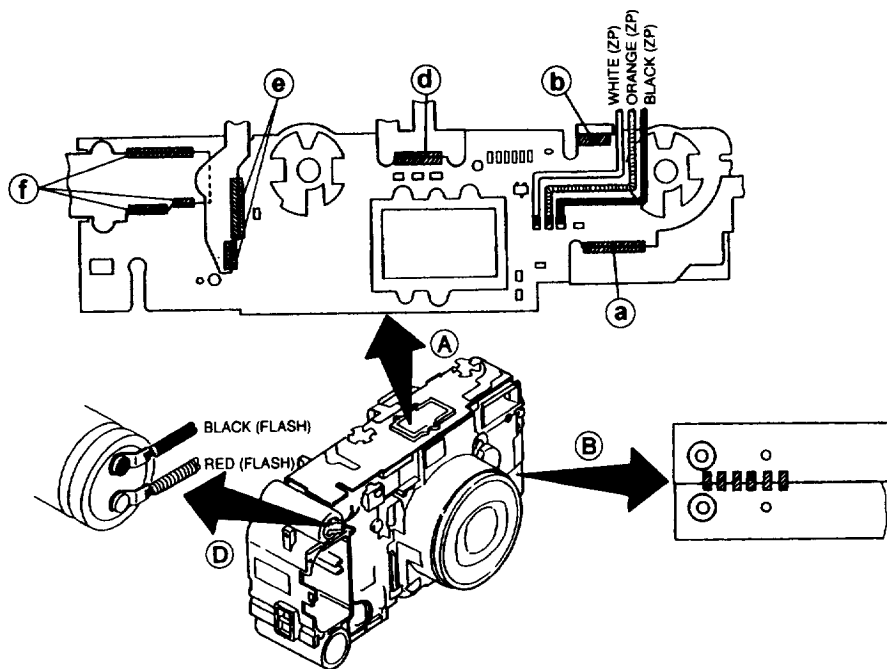


Fig4

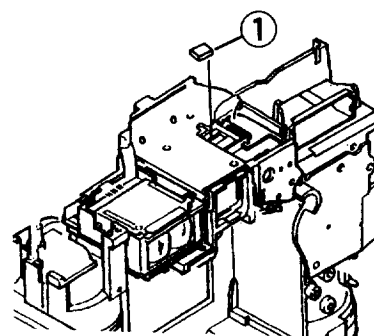


Fig5

BACK DOOR BUTTON

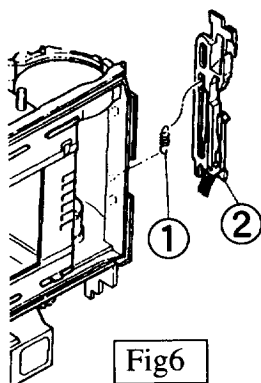


Fig6

- (1) Remove the SPRING (①) and remove the BACK DOOR BUTON (②). (Fig. 6)

FLASH UNIT, ZOOM GEARS Fig7

- (1) Unsolder 6 soldering point between the IF FPC and the MOTOR FPC. (Fig. 4, (B))
- (2) Take off two SCREWS (①) and remove the ZOOM GEAR FRAME (②).
- (3) Remove the L ZOOM GEAR 6 (⑫), the M16 GEAR (⑧), the ZOOM 2 GEAR (⑥), the ZOOM 3 GEAR (⑦), the L ZOOM 5 GEAR (⑪), the ZOOM 4 GEAR (⑨) and the ZOOM 5 GEAR (⑩).
- (4) Peel off the MAIN CAPACITOR B (④).
- (5) Peel off the DATE SW part of D FPC (B) from BODY. (DATE MODEL only)
- (6) Take off two SCREWS (⑬) and remove the CAS COVER UNIT (⑰).
- (7) Remove four DX CONTACTS (⑱). (Pressing)

[NOTE] May be unsoldered two LEAD WIRES (Black, Red) on the MAIN CAPACITOR B (Fig. 3, (D)), instead of removing the DX CONTACTS.

- (8) Peel off the MAIN CAPACITOR A (⑤).
- (9) Unsolder two LEAD WIRES (Black, Red: WIND MOTOR) on the MOTOR FPC. (A)
- (10) Peel off the BACK COVER SW part of MOTOR FPC (c) from BODY.
- (11) Take off the SCREW (⑬&⑭) then remove the ZOOM MOTOR and the MOTOR FPC (⑮) together.
- (12) Remove the FLASH PCB (③) and remove the FLASH UNIT (②~⑤).
- (13) Take off the SCREW (⑲&⑳) then remove the AF UNIT (㉑).

[NOTE] Do not disassemble the AF SENSOR part from the FRAME.

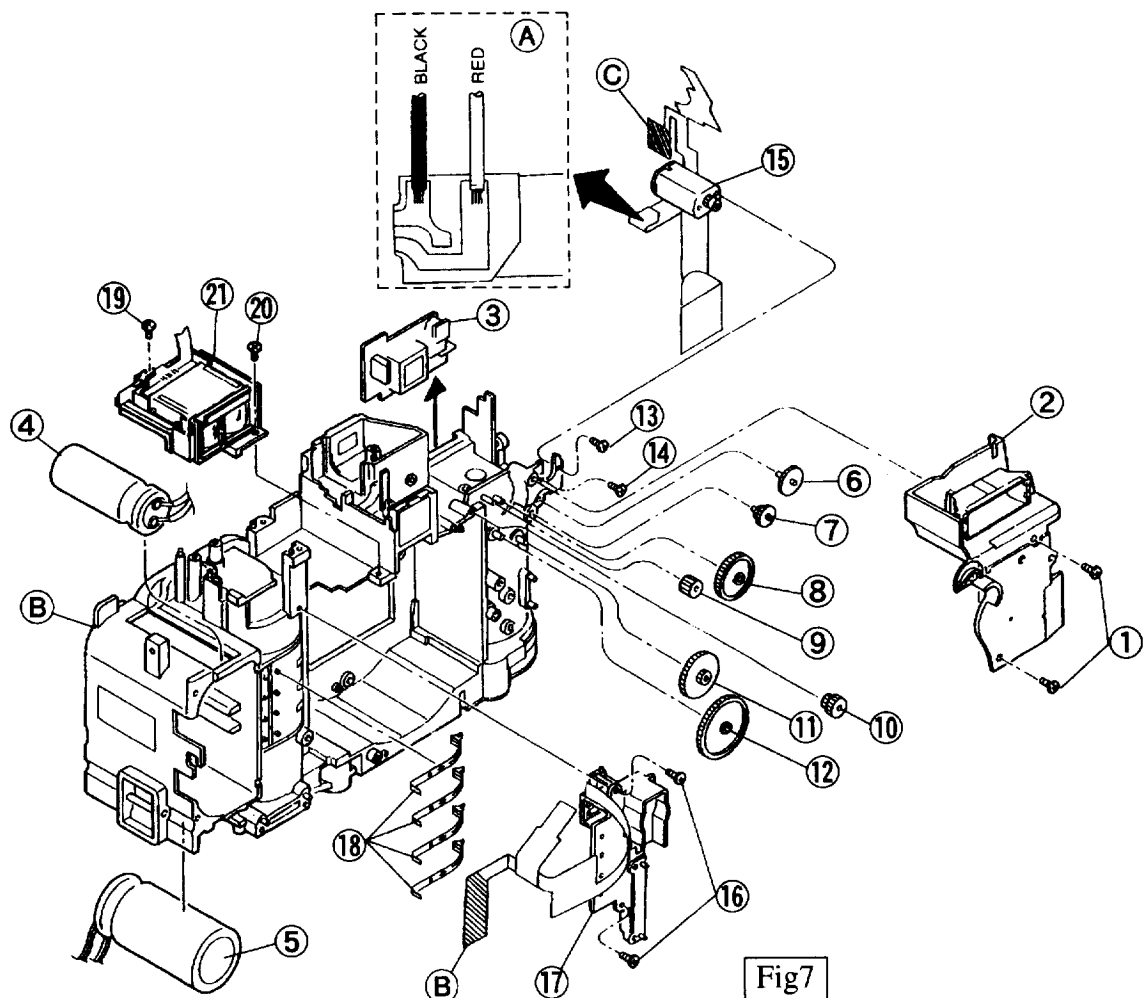


Fig7

VIEWFINDER UNIT

(1) Remove the hook from the area 'B' .

Then, lift the area 'C' and remove the cover F (4).

(2) The PRISM 1 (3), the PRISM 2 (1) and the EYE PICE FRAME (2) can be removed then.

(3) Remove the screw (9).

Then, the F zoom cam holder (10), the F zoom cam (8), the F2 lens (6) and the F4 lens (5) can be removed.

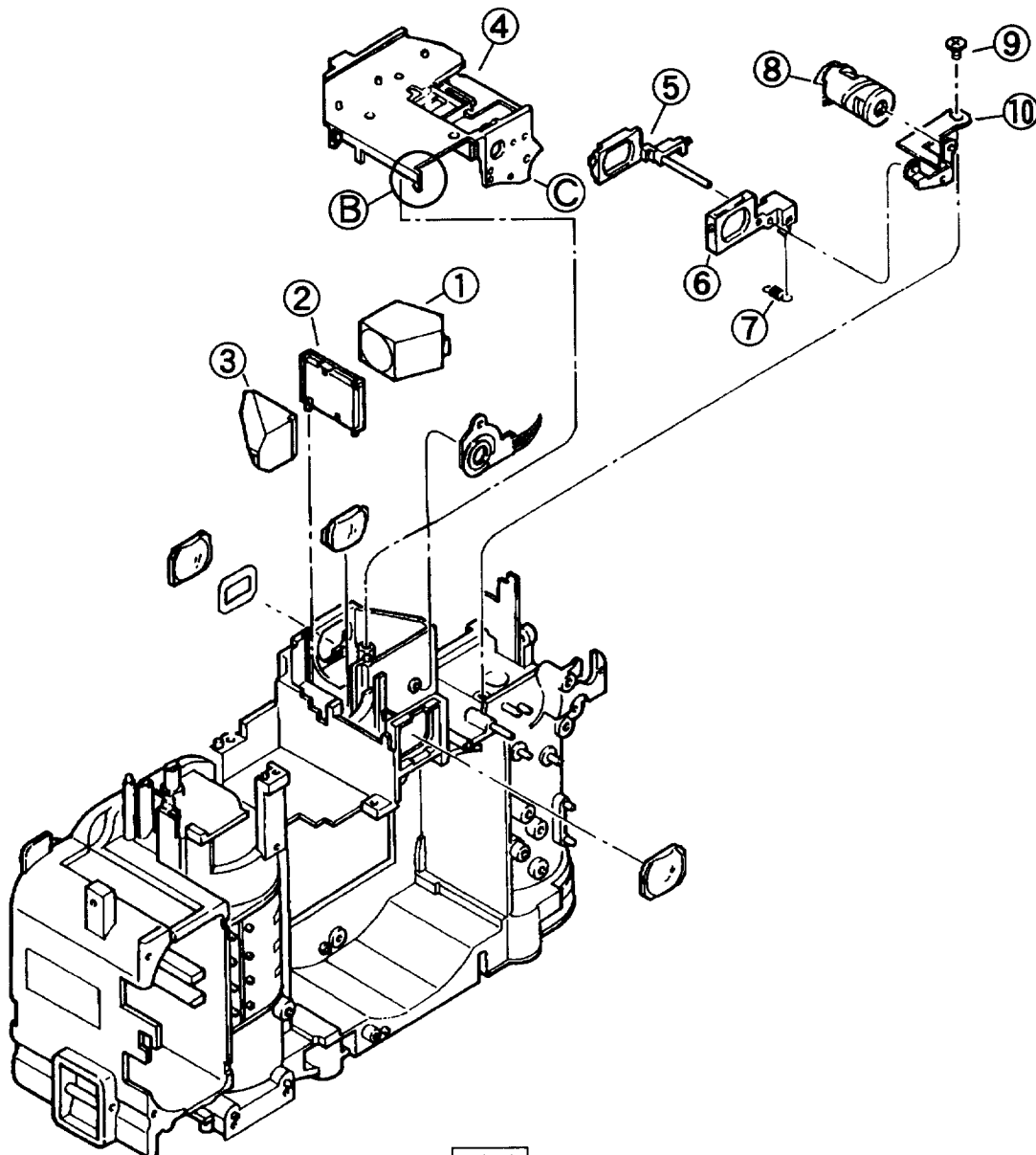


Fig8

PANORAMA BASE PLATE

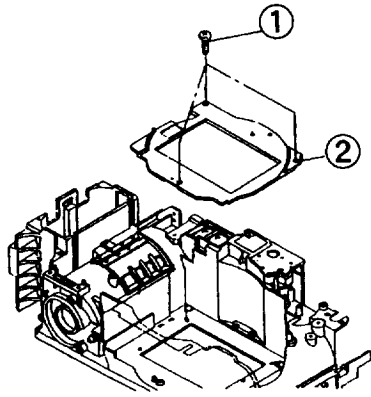


Fig9

(1) Remove 3 pieces of screw (①).

Then, the P BASE PLATE (②) can be removed.

FILM TRANSPORT

(1) Peel off the area 'B' on MRSW for IF PC.

(2) Peel off the area 'A' on WRP for IF FPC and then peel off the IFFPC (⑳).

(3) Remove the three pieces of screw (⑲).

Then, the gear circuit board (⑱) and the IF FPC (⑳) can be simultaneously removed.

(4) Remove the rewind fork unit (⑮).

(5) Then, one of each the RW2 gear (⑫), the RW5 gear (⑭), the function gear (⑧), the M4/5 gear (⑦), the M2/3 gear (⑥) and the RW1 gear (⑩) can be removed.

(6) Remove the two pieces of screw (④) and one piece of screw (⑤).

Then, the motor for film wind-up operation from (① - ③) can be removed.

(7) The spool (⑨) and the M8/9 gear (⑪) can be removed.

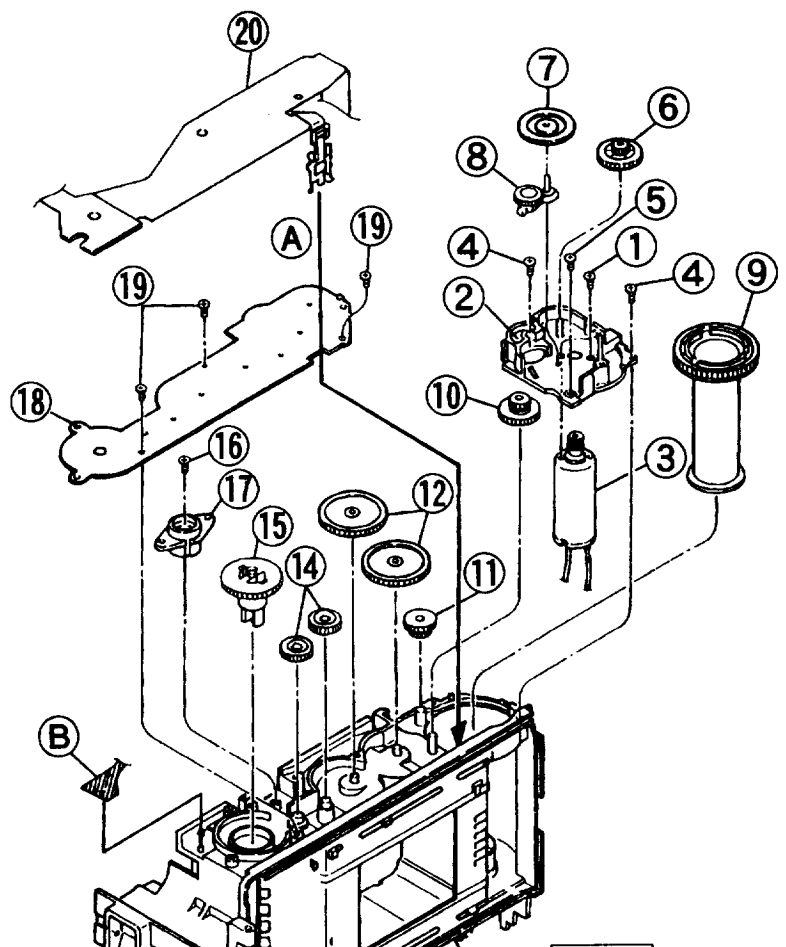


Fig10

3. LENS BARREL UNIT

LENS BARREL UNIT (1)

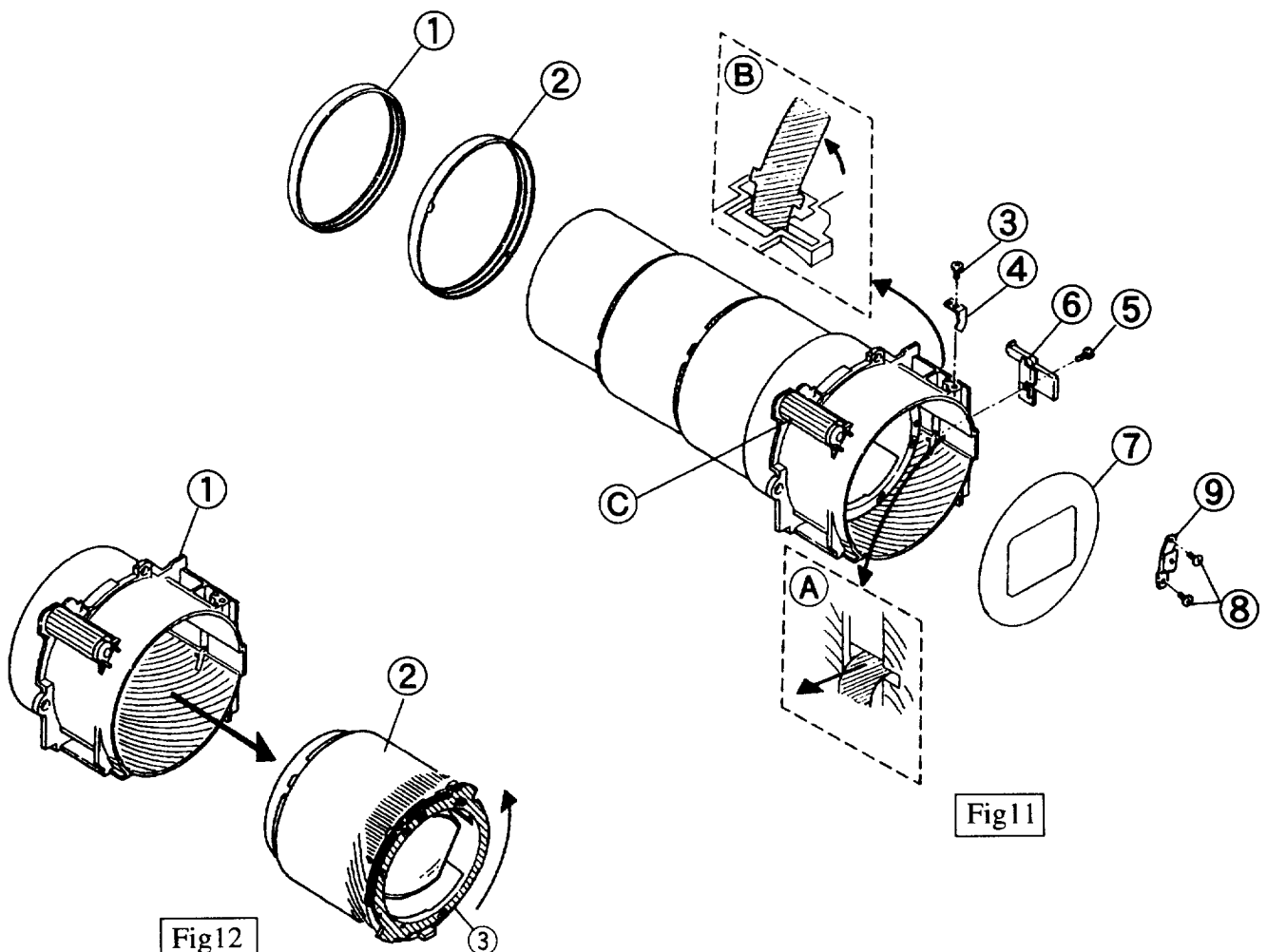
- (1) Turn the LENS BARREL GEAR (c) to set the LENS BARREL at TELE. (Fig. 11)
- (2) Remove the DECORATION RING A (①). (Fig. 11) (Bonding)
- (3) Remove the DECORATION RING B (②). (Fig. 11) (Bonding)
- (4) Take off the SCREW (⑤) and remove the FPC GUIDE 3 (⑥). (Fig. 11)
- (5) Peel off the SHUTTER FPC (B) from the LENS BARREL then pull out the SHUTTER FPC (A) from the LENS BARREL (at TELE position). (Fig. 11)

[NOTE] Pay attention to FPC.

- (6) Take off the SCREW (③) and remove the HOUSING PLATE (④). (Fig. 11)
- (7) Take off two SCREWS (⑧) and remove the FPC GUIDE 2 (⑨). (Fig. 11)
- (8) Peel off the SHIELD (⑦). (Fig. 11)
- (9) Remove the HELICOID FRAME SUB UNIT (②) from the HELICOID SUB UNIT (①) by pressing the BARRIER COVER part of the HELICOID FRAME SUB UNIT (②). (Fig. 12)

[NOTE] Do not press the BARRIER BLADES.

- (10) Turn the HELICOID RING (③) to set LENS BARREL at TELE position. (Fig. 12)



LENS BARREL UNIT (2)

(11) Remove the HELLICOID RING (①) by disengaging two CLAWS (B). (Fig. 13)

[NOTE] Pay attention to the SHUTTER FPC (Fig. 13, ③).

(12) Take off the FPC GUIDE 1 (②) then remove the SHUTTER FPC (③) from the HELLICOID RING (①). (Fig. 13)

(13) Remove the HELLICOID FRAME (①) by turning the ZOOM CAM (②) as shown in Fig.14.

[NOTE] Do not hold the BARRIER part (③),when removing the HELLICOID FRAME (①).

(14) Take off two SCREWS (①) and remove two CAM DRIVE PLATE (②). (Fig. 15)

(15) Take off two GUIDE PIN (③). (Fig. 15) (Pressing)

(16) Remove the ZOOM CAM (④) then remove the BARRIER UNIT (⑥). (Fig. 15)

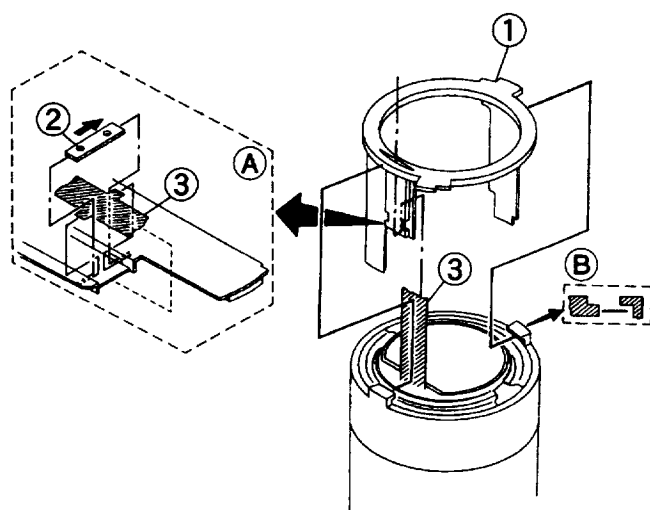


Fig13

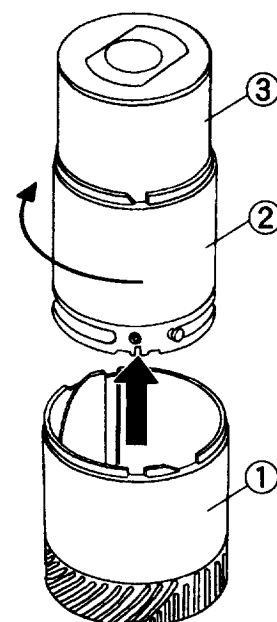


Fig14

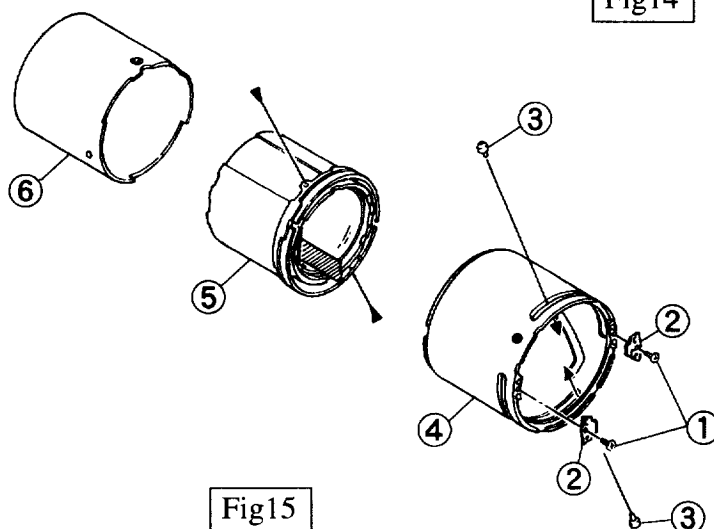


Fig15

LENS BARREL UNIT (3)

(17) Remove the LIGHT SHIELD (①) (Bonding) and the SHIELD RING (②). (Fig. 16)

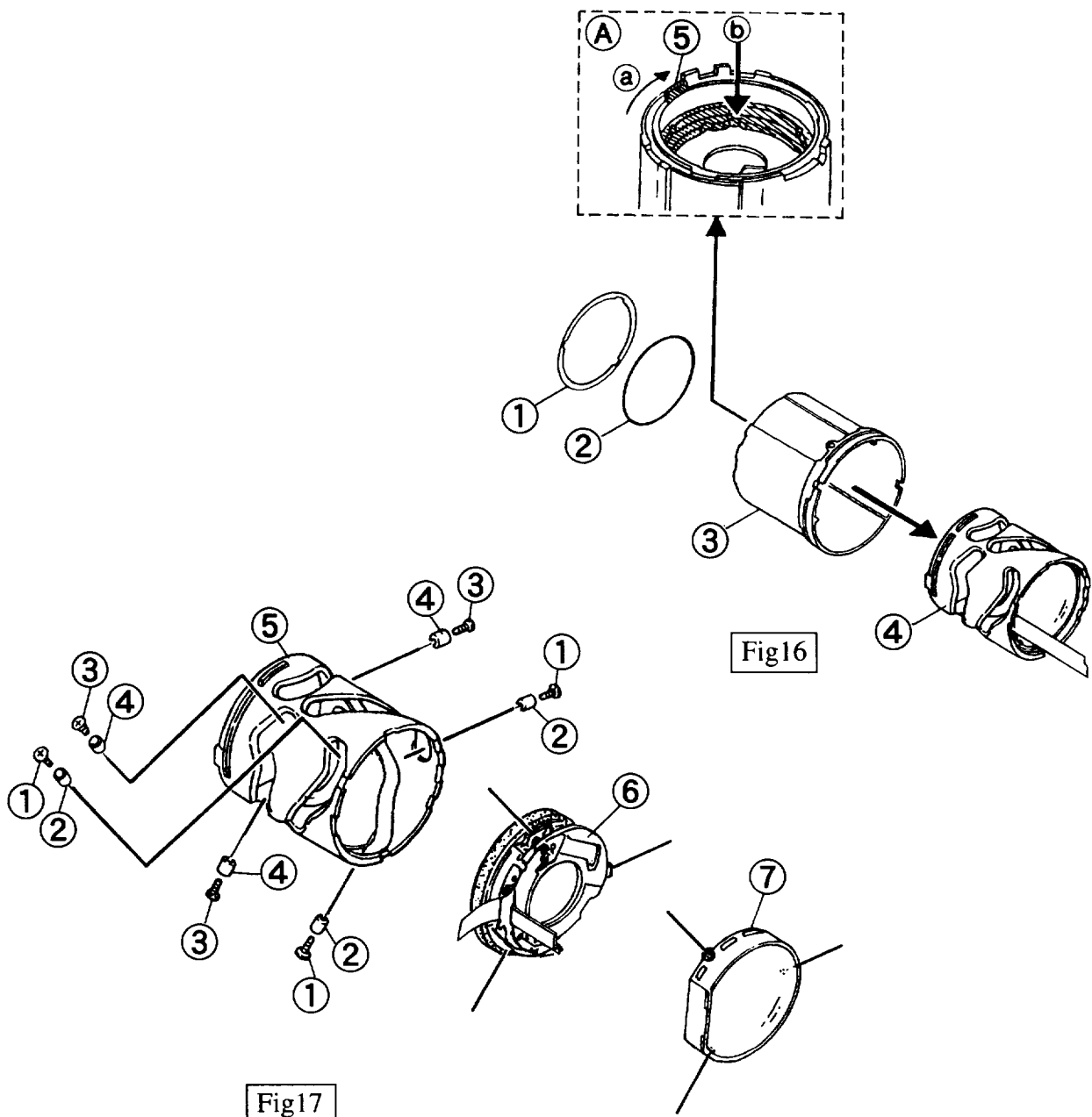
(18) Set the SHUTTER and the 3RD. LENS at HOUSING position by turning the 2ND., 3RD. LENS CAM RING ((A)-⑤) to arrow direction (A)-(a). (Fig. 16)

(19) Remove the ZOOM RING (③) by pressing the SHUTTER FRAME part ((A)-(b)). (Fig. 16)

[NOTE] Do not press the SHUTTER BLADE part.

(20) Take off three SCREWS (①) and three 3C..ZOOM ROLLER (②) then remove the 3RD.LENS UNIT (⑦). (Fig. 17)

(21) Take off three SCREWS (③) and three 2G.ZOOM ROLLER (④) then remove the SHUTTER UNIT (⑥). (Fig. 17)



ASSEMBLING

1. LENS BARREL UNIT

LENS BARREL UNIT (1)

(1) Set the SHUTTER UNIT (⑤) to the 2ND, 3RD. LENS CAM RING (⑥). (Fig.18)

[NOTE] The SHUTTER FPC (C) position and the part (B) of the 2ND.3RD.LENS CAM must be matched.

(2) Set three 2G.ZOOM ROLLER (②) and tighten three SCREWS (①) as shown in Fig.18.

[NOTE] Pay attention to the direction of the 2G.ZOOM ROLLER. (Fig. 18,(A))

(3) Set the 3RD.LENS UNIT (⑦) to the 2ND., 3RD.LENS CAM RING (⑥) as shown in Fig.18.

[NOTE] Pay attention to the direction of the 3RD.LENS UNIT.

(4) Set three 3G.ZOOM ROLLER (④) and tighten three SCREWS (③) as shown in Fig.18.

[NOTE] Pay attention to the direction of the 3G.ZOOM ROLLER. (Fig. 18, (A))

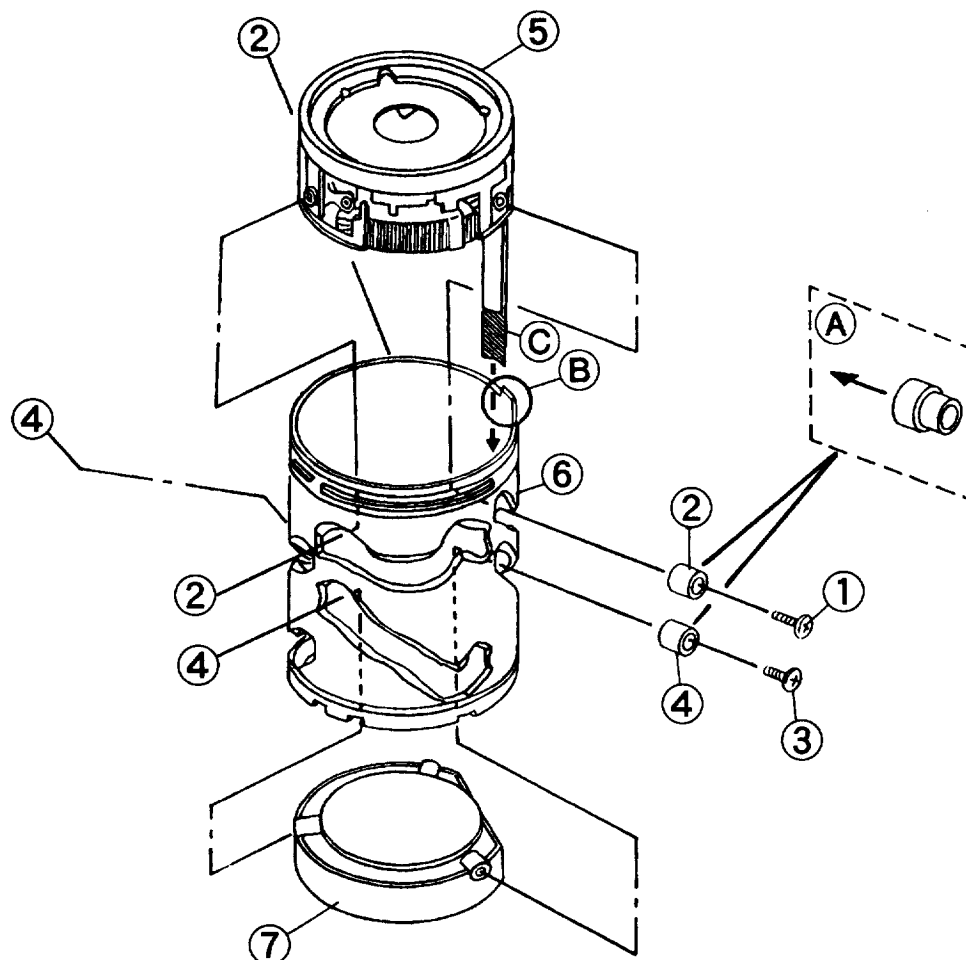
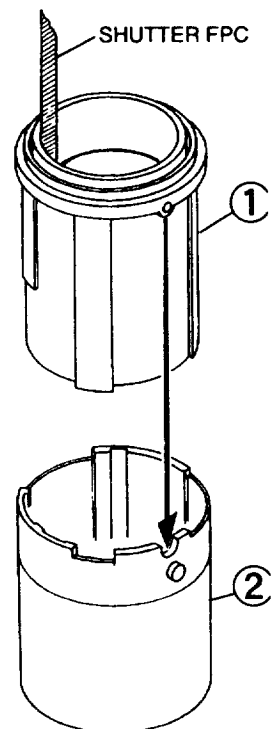
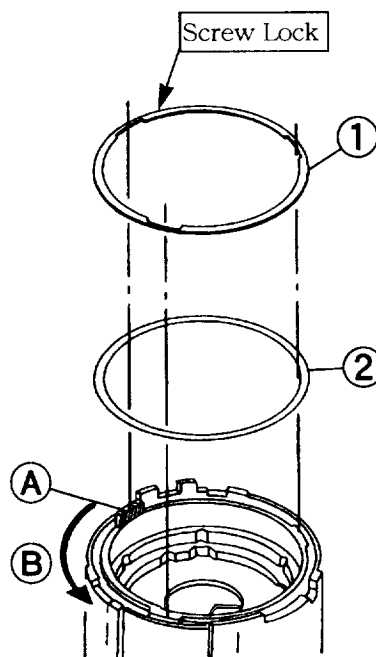
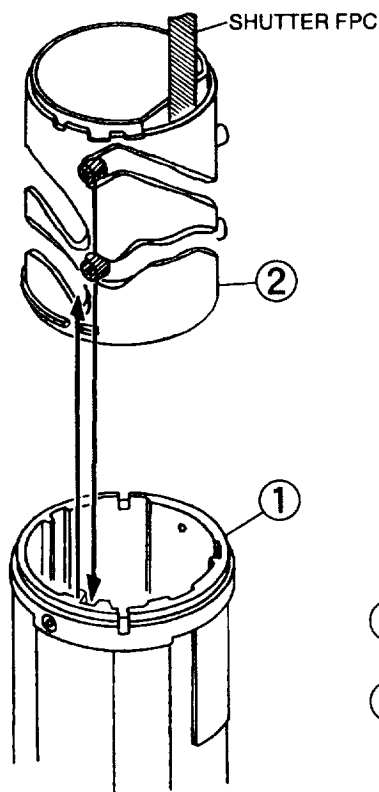
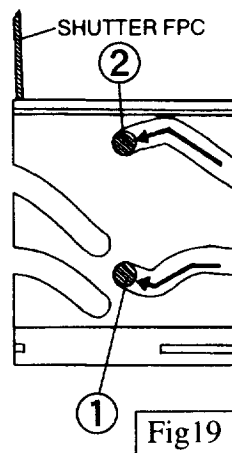


Fig18

LENS BARREL UNIT (2)

- (5) Set the 2G.ZOOM ROLLER (①) and the 3G.ZOOM ROLLER (②) at HOUSING position as shown in Fig.19.
- (6) Set the 2ND, 3RD.LENS CAM RING UNIT (②) into the ZOOM RING (①) as shown in Fig.20
(Pressing)
- (7) Set the SHIELD RING (②) and the LIGHT SHIELD (①). (Fig. 21) (Bonding)
- (8) Confirm the MOVEMENT of the SHUTTER UNIT and the 3RD.LENS UNIT by turning the (A) part of 2ND, 3RD.CAM RING. (Fig. 21)
- (9) Set the SHUTTER UNIT and the 3RD.LENS UNIT at TELE position by turning the (A) part of 2ND, 3RD. CAM RING to arrow direction (B). (Fig. 21)
- (10) Set the ZOOM RING UNIT (①) into the BARRIER UNIT (②) as shown in Fig.22 .



LENS BARREL UNIT (3)

(11) Set the ZOOM RING UNIT (①) into the ZOOM CAM (②) then set two GUIDE PIN (③) as shown in Fig. 23.

[NOTE] The (A) part and the (B) part must be matched, when inserting. (Fig. 23)

(12) Set the SHUTTER UNIT and the 3RD. LENS UNIT at TELE position by turning the 2ND, 3RD. LENS CAM RING. (Fig. 24, (B))

(13) Set the ZOOM at TELE position by turning the GUIDE PIN. (Fig. 24, (B))

(14) Set two CAM DRIVE PLATE (②) and tighten two SCREWS (①). (Fig. 24)

(15) Set the ZOOM CAM UNIT (①) into the HELLICOID FRAME (②) as shown in Fig. 25. (Pressing)

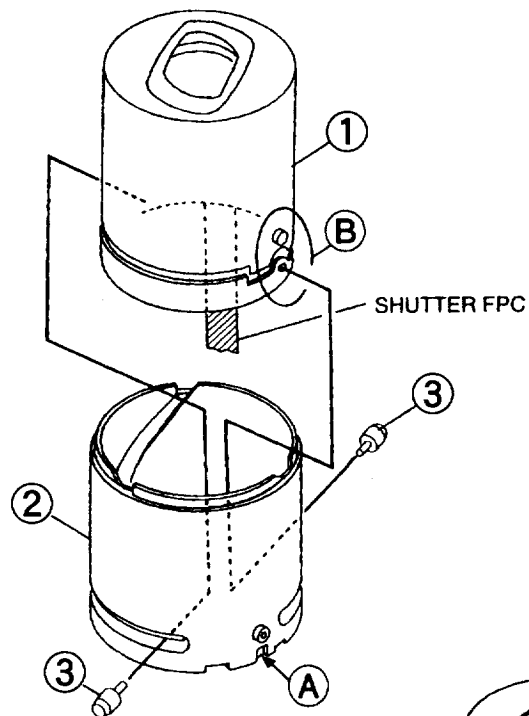


Fig23

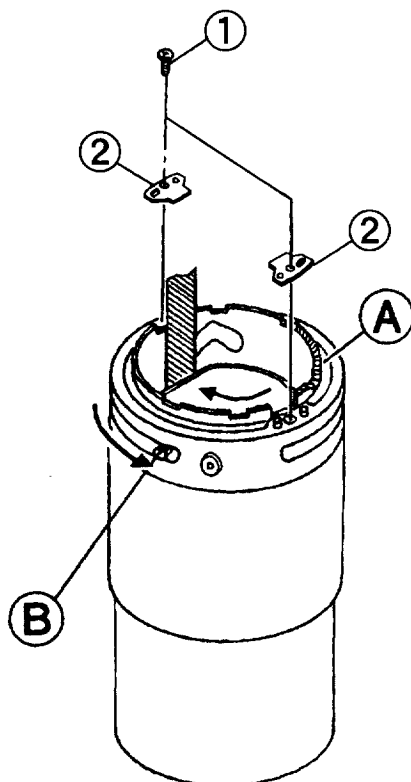


Fig24

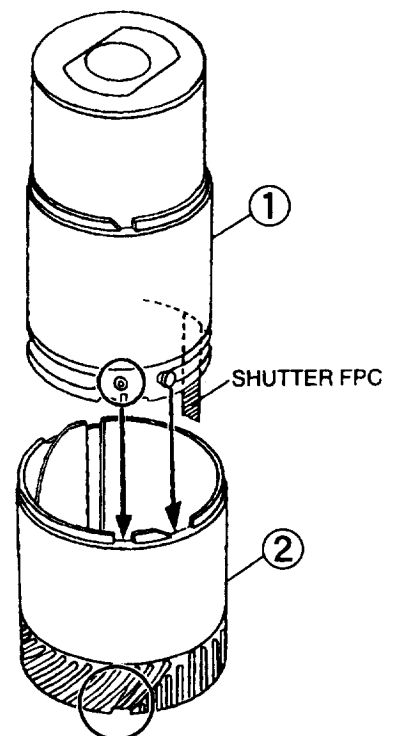


Fig25

LENS BARREL UNIT (4)

- (16) Fix the SHUTTER FPC to the HELLICOID RING (①) as shown in Fig.26.
- (17) Set the FPC GUIDE 1 (②) as shown in Fig.26, (A).
- (18) Set the HELLICOID RING (①) into the HELLICOID FRAME UNIT (③) and turn the HELLICOID RING ((C)) to set the ZOOM at TELE then engage two CLAWS ((B)) as shown in Fig.26.
- (19) Set the ZOOM at HOUSING position by turning the HELLICOID RING. (Fig. 26, (C))
- (20) Set the HELLICOID FRAME UNIT (①) into the HELLICOID SUB UNIT (②) as shown in Fig.27.

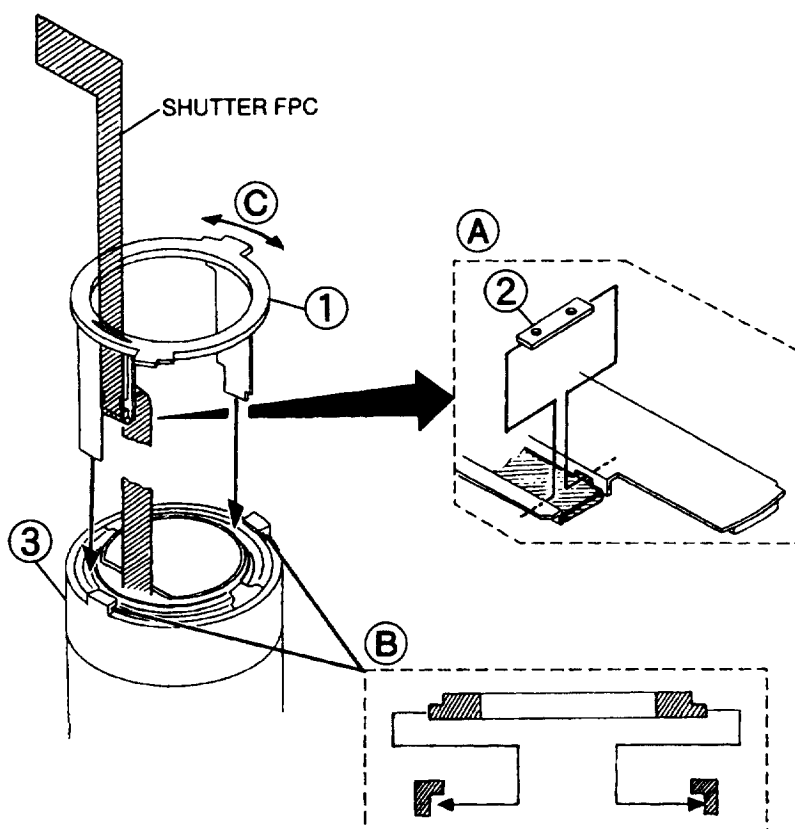


Fig26

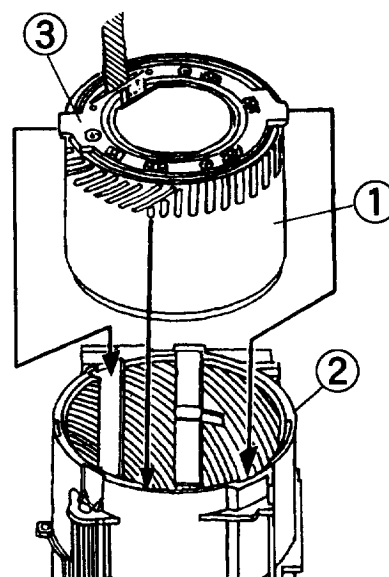


Fig27

LENS BARREL UNIT (5)

(21) Set the SHIELD (7). (Fig. 28)

(22) Set the FPC GUIDE 2 (8) and tighten two SCREWS (9). (Fig. 29)

(23) Set the HOUSING PLATE (4) and tighten the SCREW (3). (Fig. 28)

(24) Fix the SHUTTER FPC as shown in Fig.28, (B),(A).

[NOTE] (B): at TELE position

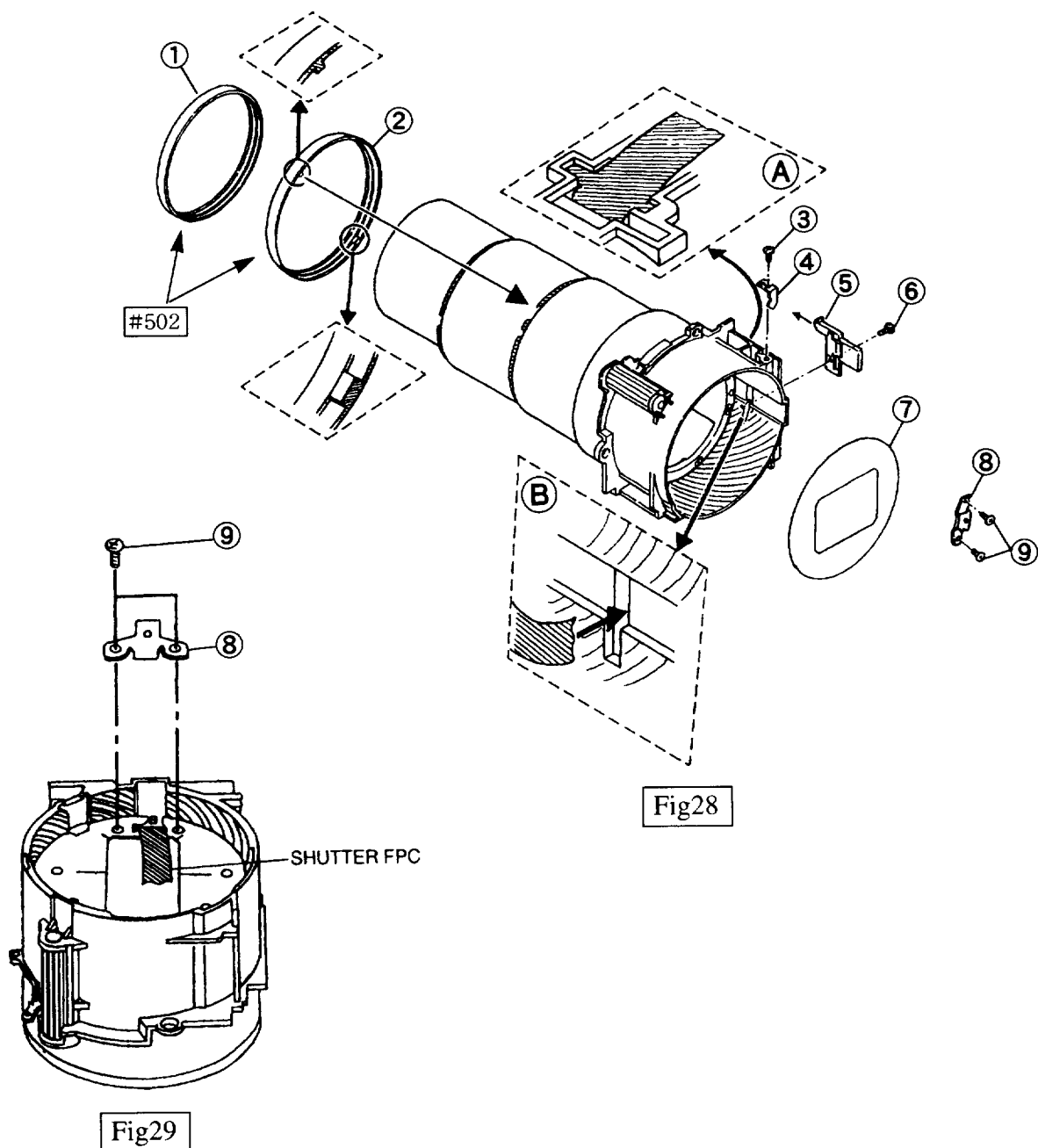
(A): at WIDE position

(25) Set the FPC GUIDE 3 (5) and tighten the SCREW (6). (Fig. 28)

[NOTE] Engage one CLAW.

(26) Set the DECORATION RING B (2) as shown in Fig.28. (Bonding)

(27) Set the DECORATION RING A (1). (Fig. 28) (Bonding)



2. REAR BODY

VIEW FINDER

- (1) Set the F 2ND. LENS (⑥) to the F 4th LENS (⑤) and fix the SPRING (⑦) then set them to the BODY.
- (2) Set the F ZOOM CAM (⑧) to the BODY then set the F ZOOM CAM HOLDER (⑩) with the SCREW (⑨).

[NOTE] The F 2ND.LENS and the F 4TH.LENS must be interlocked with the F ZOOM COM. (A)

- (3) Set the PRISM 1 (③), the PRISM 2 (①) and the EYE PIECE FRAME (②).

[NOTE] Set the guide projection on the PRISM 1 (③) to meet the guide hole on the body and fix them.

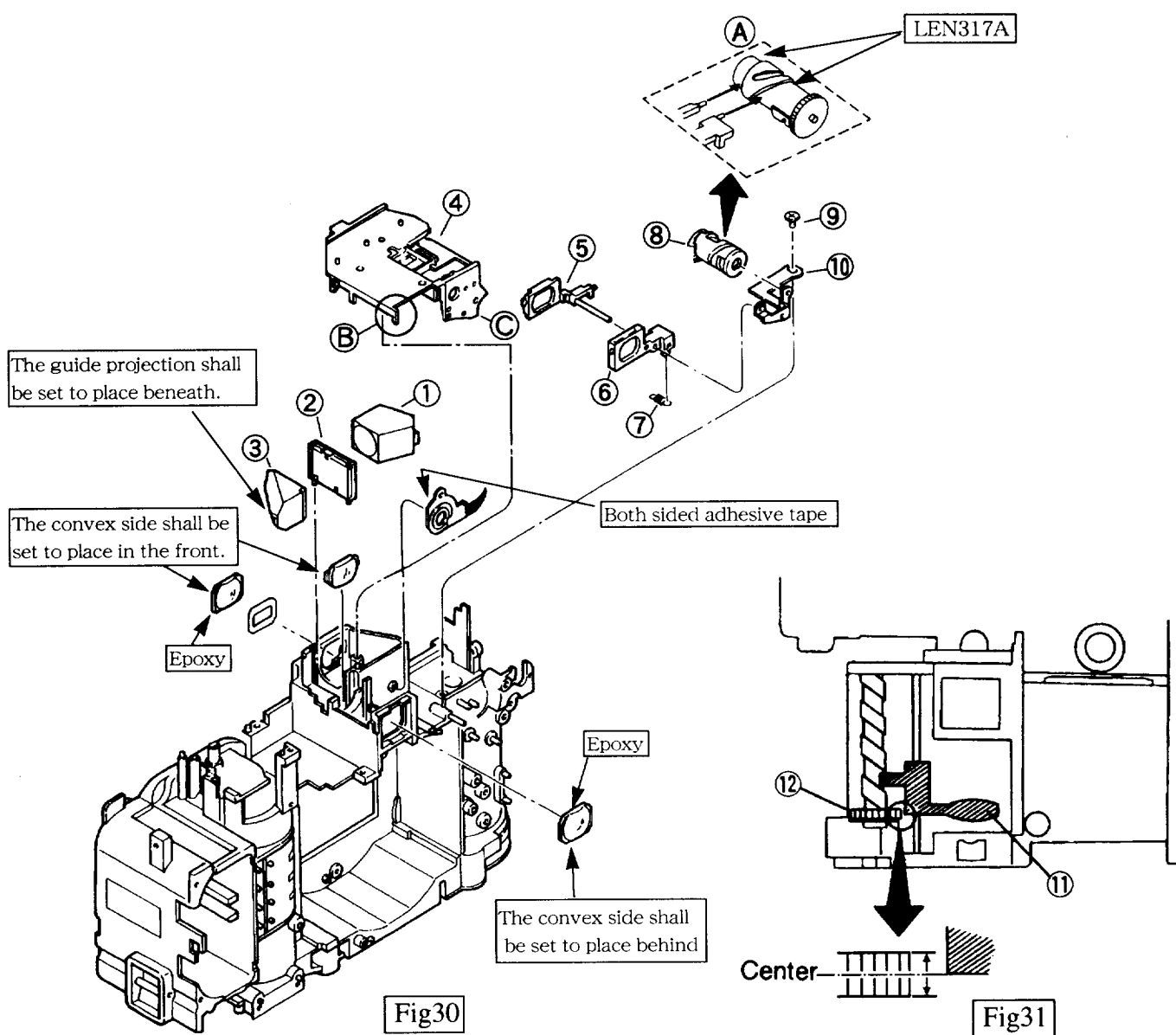
- (4) Set the VIEW FINDER at TELE END position by turning the F ZOOM CAM.

- (5) Fix the LIGHT MEASURING LENS (Fig. 31, ⑪): on the F COVER UNIT -Fig.30, ④) position as shown in Fig.31 by turning the SHAFT (Fig. 31, No. ⑫).

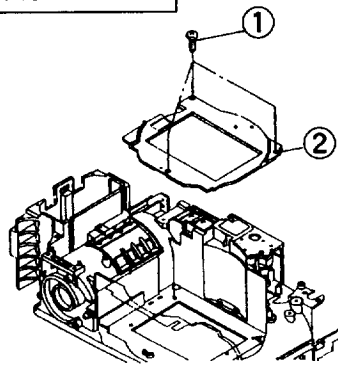
- (6) Keep above position of (4) and (5) then set the F COVER UNIT (④).

[NOTE] · Engage the CLAW (B).

- The F ZOOM CAM must be interlocked with the LIGHT MEASURING LENS.
- Keep this VIEWFINDER TELE END position until ZOOM GEARS are assembled.



PANPLAMA BACE PLATE



(1) Set the P BASE PLATE (2) with three SCREWS (1).

Fig32

FILM TRANSPORT

- (1) Set the SPOOL (9) and the M8, 9 GEAR (11).
- (2) Set the WINDING MOTOR UNIT (1 - 3) then tighten the SCREW (5) and two SCREWS (4).
- (3) Set the M2.3 GEAR (6) and the RWI GEAR (10).
- (4) Set FRICTION GEAR (8) and the M4.5 GEAR (7).
- (5) Set two RW2 GEAR (12) and two RW5 GEAR (14).
- (6) Set the REWINDING FORK UNIT (15).
- (7) Set the GEAR HOLD PLATE (18) and tighten three SCREWS (19).
- (8) Set the WPR part of IF FPC (A) to the BODY then fix the IF FPC (20) to the BODY.
- (9) Fix the MRSW part of IF FPC (B).

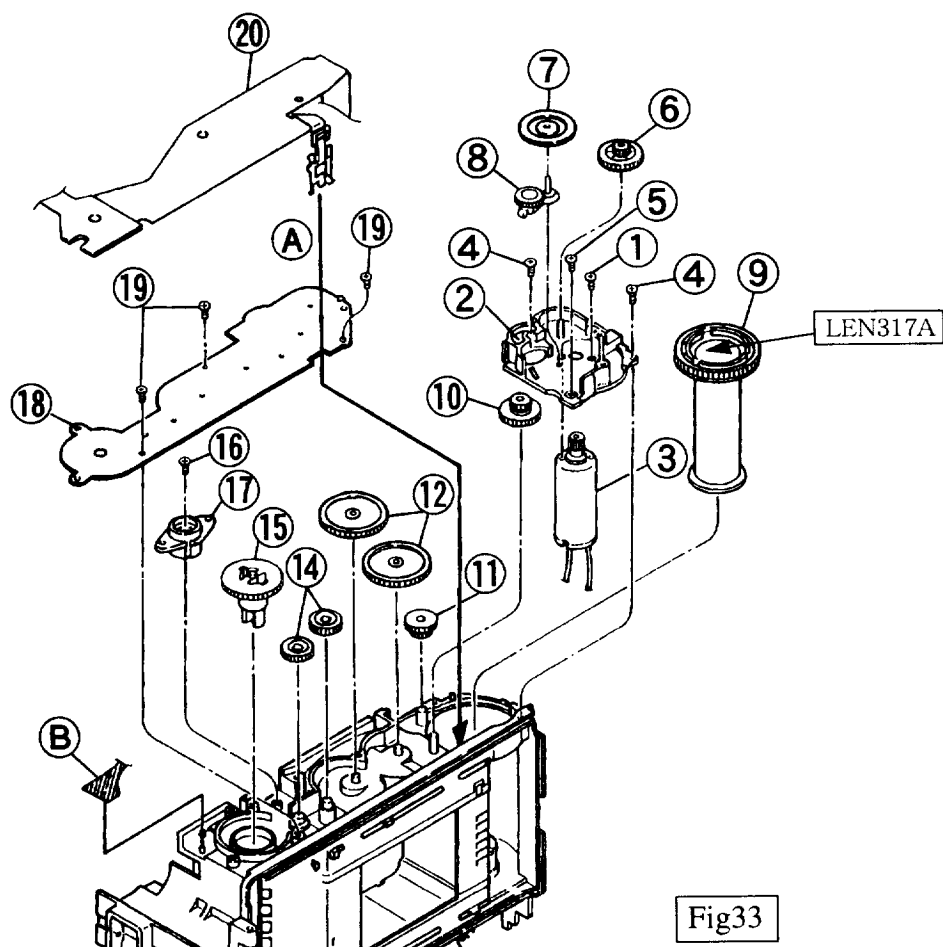


Fig33

AF UNIT, FLASH UNIT, ZOOM GEARS

- (1) Set the AF UNIT (⑪) then tighten the SCREW (⑨&⑩).
 - (2) Set the FLASH PCB (⑥) to the BODY. (Fig. 34)
 - (3) Set the ZOOM MOTOR UNIT (②) then tighten the SCREW (①) and the SCREW (⑬). (Fig. 34)
 - (4) Solder two LEAD WIRES (Black, Red: WIND MOTOR) to the MOTOR FPC. (Fig. 34, (A))
 - (5) Arrange the LEAD WIRES as shown in Fig.35, (A), (B), (C), (D).
 - (6) Set the MAIN CAPACITOR A (⑧) as shown in Fig. 34, (C).
 - (7) Set the MAIN CAPACITOR B (⑦) temporary.
 - (8) Arrange the LEAD WIRES as shown in Fig.35, (D), (E), (F).
 - (9) Set four DX COCONTACTS (Fig. I34, ⑤). (Pressing)
- [NOTE] In case of unsolder two LEAD WIRES (Black,Red) of the MAIN CAPACITOR B(⑦), solder them.
(Fig. 34,(E))

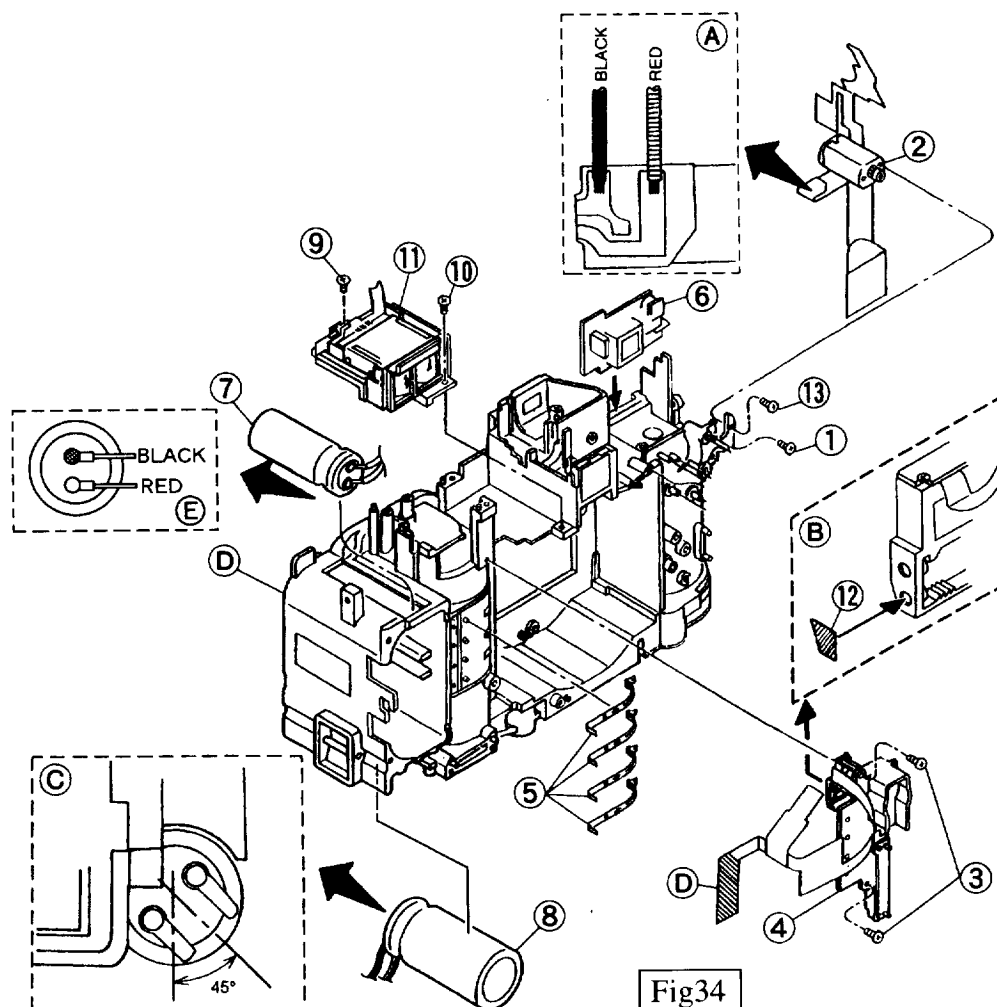
☆Pay attention to the WIRES.

(TWO RED WIRES···One for MAIN CAPACITOR B and another one for BATTERY CONTACT.)

- (10) Set the CAS COVER UNIT (④) then tighten two SCREWS (③). (Fig. 34)

[NOTE] In case of repair with DATE MODEL, put the SHIELD TAPE (⑫) in front of the DATE LENS.
(Fig. 34, (B)) (Under side)

- (11) Fix the DATE SW part of D FPC to the BODY. (Fig. 34,(D)) (DATE MODEL only)



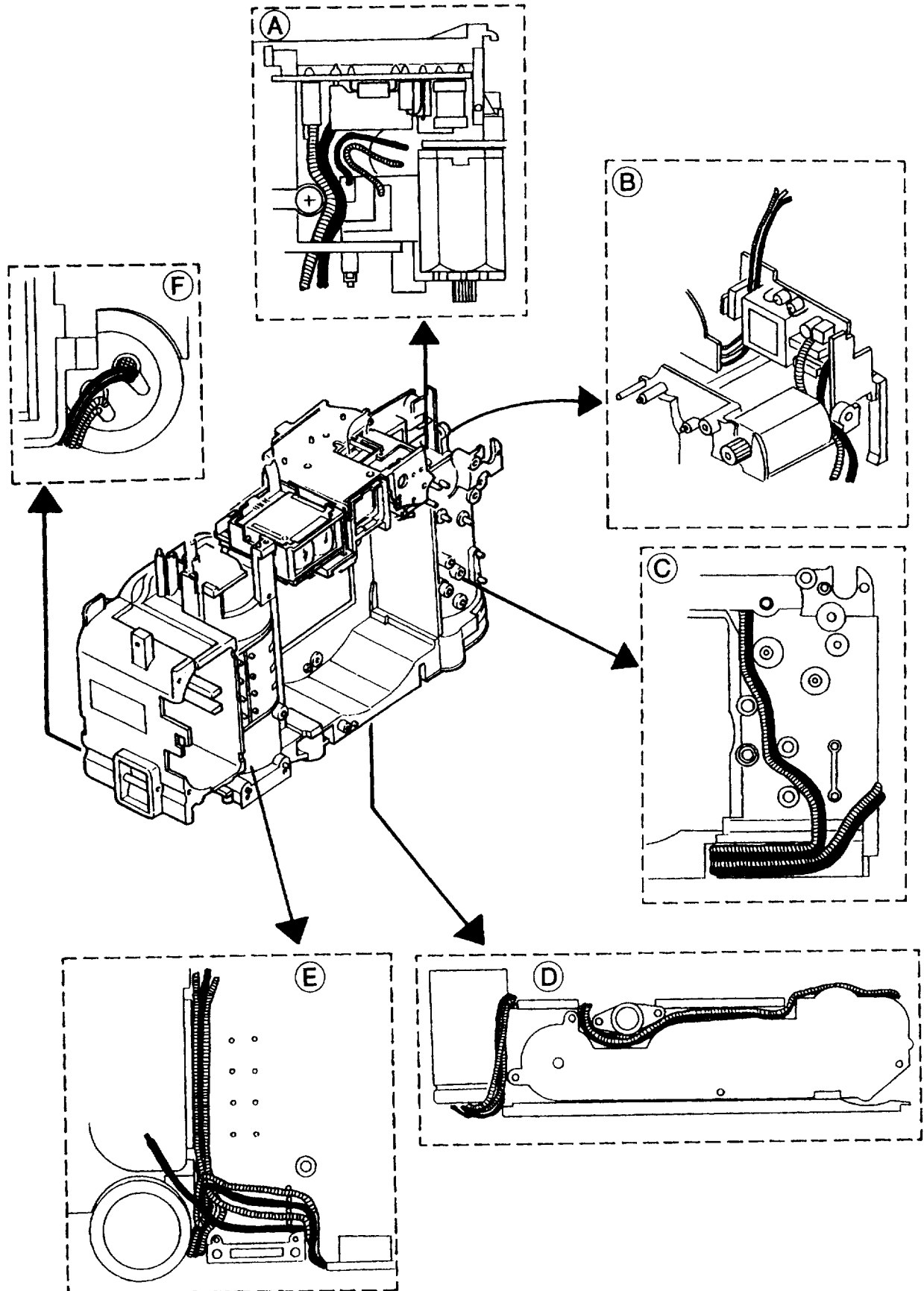


Fig35

(12) Set the L ZOOM GEAR 5 (⑧), the ZOOM 3 GEAR (④) and the ZOOM 2 GEAR (③). (Fig. 36)

(13) Keep the VIEW FINDER position at TELE END position (Refer to Fig. 31) then set the ZOOM 5 GEAR (⑦).

[NOTE] The mark on the ZOOM 5 GEAR may be fixed at bottom side.

(14) Set the ZOOM 4 GEAR (⑥), the L ZOOM 6 GEAR (⑨) and the M16 GEAR (⑤). (Fig. 36)

(15) Set the ZOOM GEAR FRAME (②) then tighten two SCREWS (①). (Fig. 36)

[NOTE] · The FLASH REFLECTING part must be interlocked with the F ZOOM CAM. (Fig. 36, (A))

· Do not turn the ZOOM GEARS until the LENS BARREL is set.

(16) Arrange the FLASH LEAD WIRES. (Fig. 36, (B))

[NOTE] The ZP LEAD WIRES must be set at out side.

(17) Solder 6 soldering point between the IF FPC and the MOTOR FPC. (Fig. 37, (B))

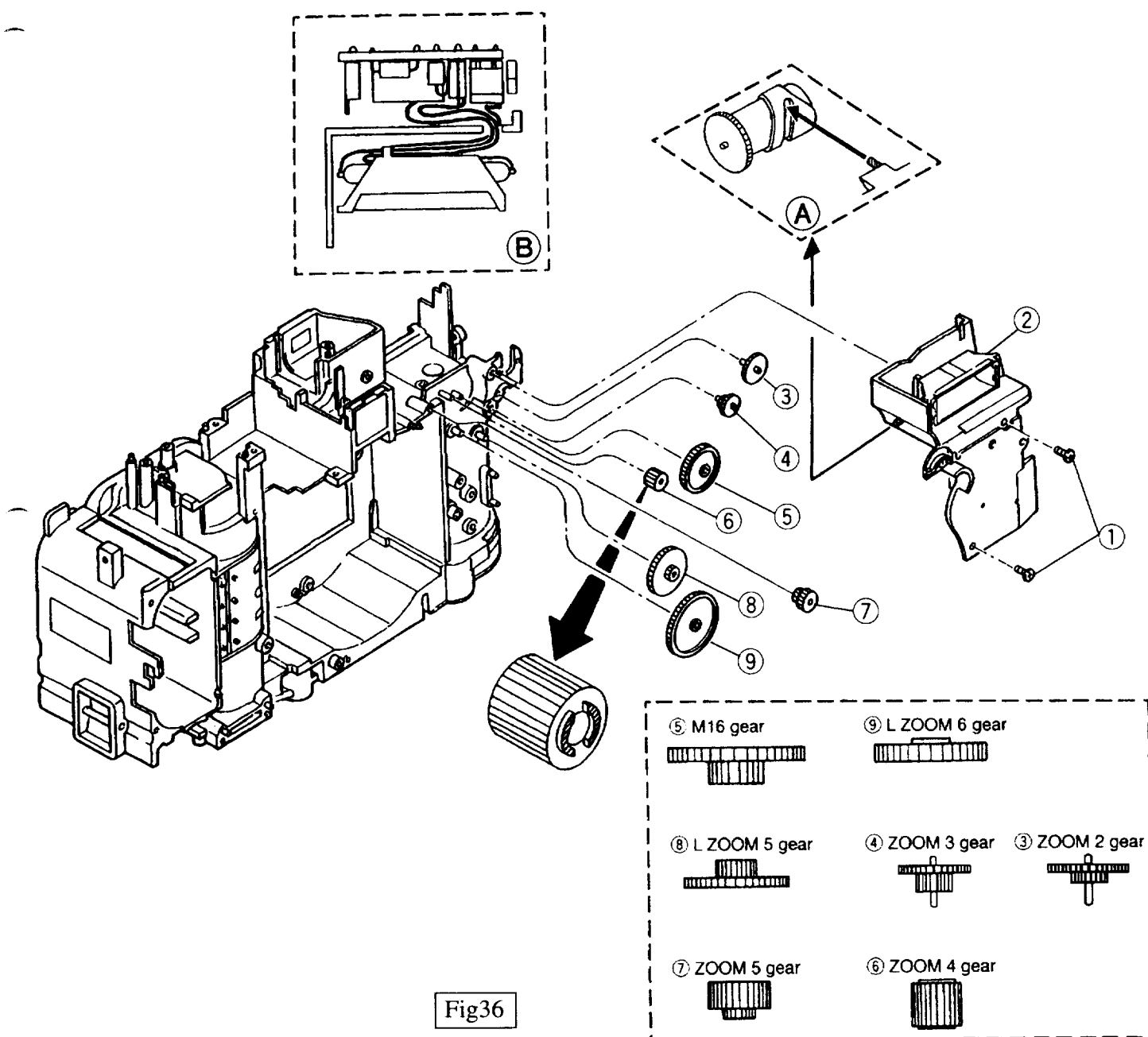


Fig36

MAIN PCB , FRONT PCB

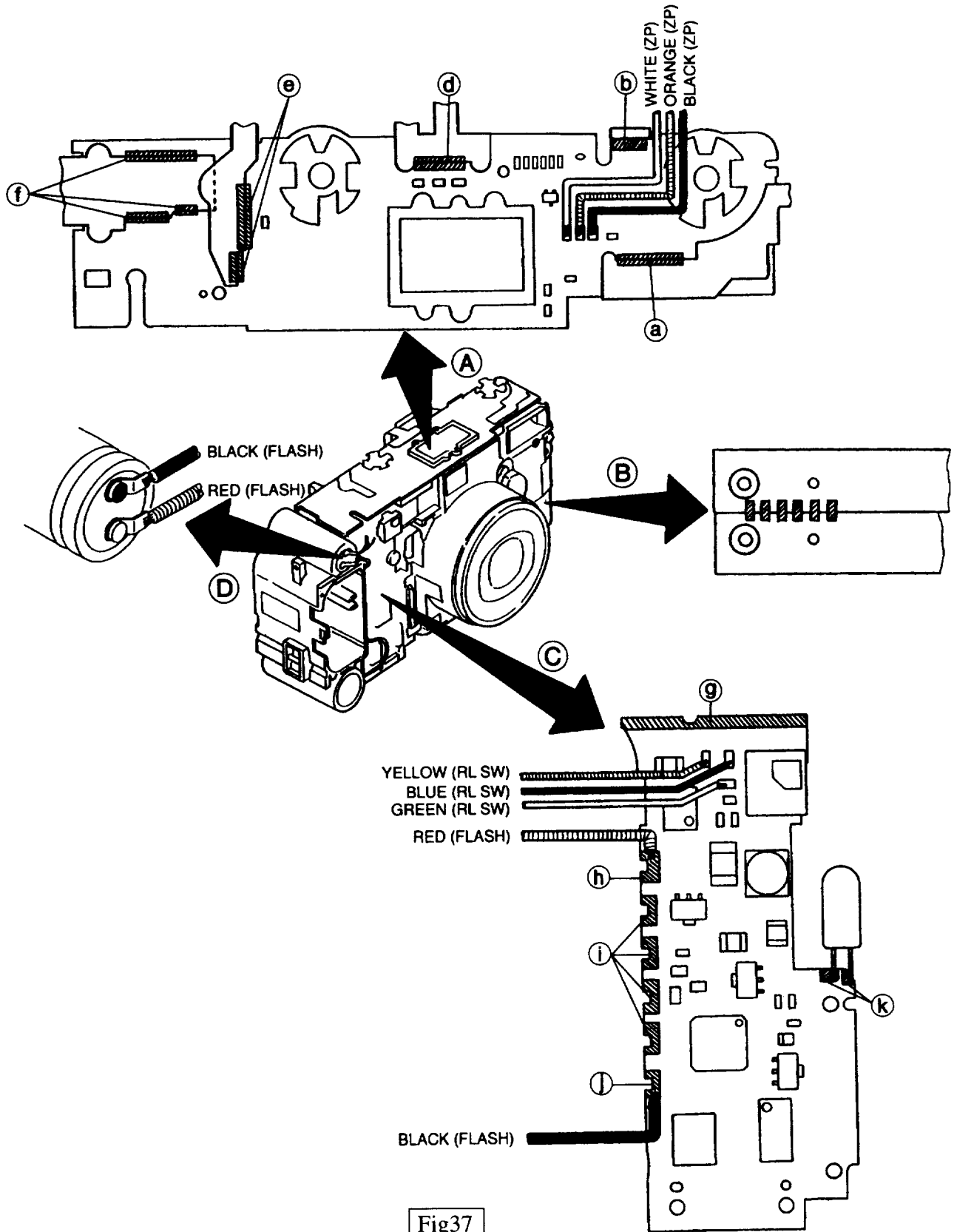


Fig37

- (1) Set the FILTER (①). (Fig. 38)
 - (2) Set the part of IF FPC (⑤) then set the MAIN PCB (⑫) and the FRONT PCB (④) to the BOD together.
(Fig. 40)
- [NOTE] Pay attention to the LEAD WIRES and FPC.
- (3) Tighten the SCREW (⑩) and the SCREW (⑪). (Fig. 40)
 - (4) Set the part of IF FPC (③) on the FRONT PCB (④) then set the FPC HOLDER A (②) and tighten two SCREWS (①). (Fig.40- (A))
 - (5) Fix the BACK COVER SW part of MOTOR FPC to the BODY. (Fig. 40, (B))
 - (6) Solder 23 soldering point between the MAIN PCB and FRONT PCB. (Fig. 37,(C)-(g))
- [NOTE] Only when unsoldered.
- (7) Solder 6 soldering point between the MAIN PCB and MOTOR FPC. (Fig. 37, (A)-(a))
 - (8) Solder 13 soldering point between the MAIN PCB and D FPC. (Fig. 37, (A)-(f))
(DATE MODEL only)
 - (9) Solder 9 soldering point between the MAIN PCB and AF FPC. (Fig. 37, (A)-(e))
 - (10) Solder 6 soldering point between the MAIN PCB and LED FPC. (Fig. 37, (A)-(d))
 - (11) Solder 3 soldering point between the MAIN PCB and FLASH PCB. (Fig. 37, (A)-(b))
 - (12) Solder three LEAD WIRES (Black, Orange, White: ZP PLATE) on the MAIN PCB. (Fig. 37, (A))
 - (13) Solder 4 soldering point between the FRONT PCB and the DX CONTACTS. (Fig. 37, (C)-(i))
 - (14) Solder 2 soldering point between the FRONT PCB and the BATTERY CONTACTS. (Fig. 37, (C)-(h),(i))
 - (15) Solder three LEAD WIRES (Blue, Green, Yellow: RL SW) on the FRONT PCB. (Fig. 37, (C))
 - (16) Solder two LEAD WIRES (Black, Red: FLASH POWER) on the FRONT PCB. (Fig. 37, (C))
 - (17) Solder two AF LAMP WIRES on the FRONT PCB. (Fig. 37, (C)-(k))
 - (18) Set the BACK DOOR BUTTON (②) and fix the BACK DOOR BUTTON SPRING (①). (Fig. 39)
 - (19) Set the SHIELD (Fig 40, ⑭).

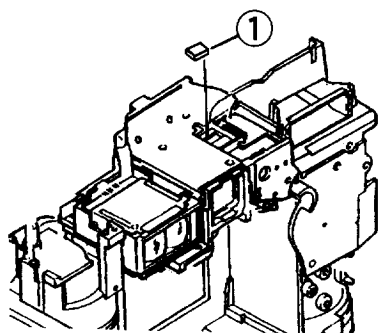


Fig38

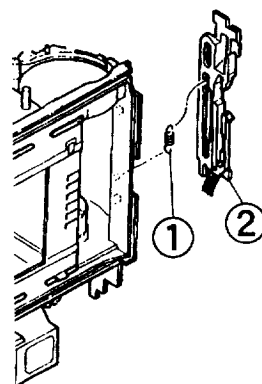


Fig39

3. ATTACHING LENS BARREL UNIT TO REAR BODY

- (1) Turn the LENS BARREL GEAR (C) to set the LENS BARREL at TELE END position.
- (2) Return the ZOOM 5 GEAR to WIDE direction from TELE END position by 1 tooth. (Fig. 40, (D))
- (3) Keep above position of (1) and (2), then set the LENS BARREL UNIT (9) to the BODY and tighten three SCREWS (8).
- (4) Set the SHUTTER FPC (13) on the FRONT PCB (4) then set FPC HOLDER B (7) and tighten two SCREWS (6).

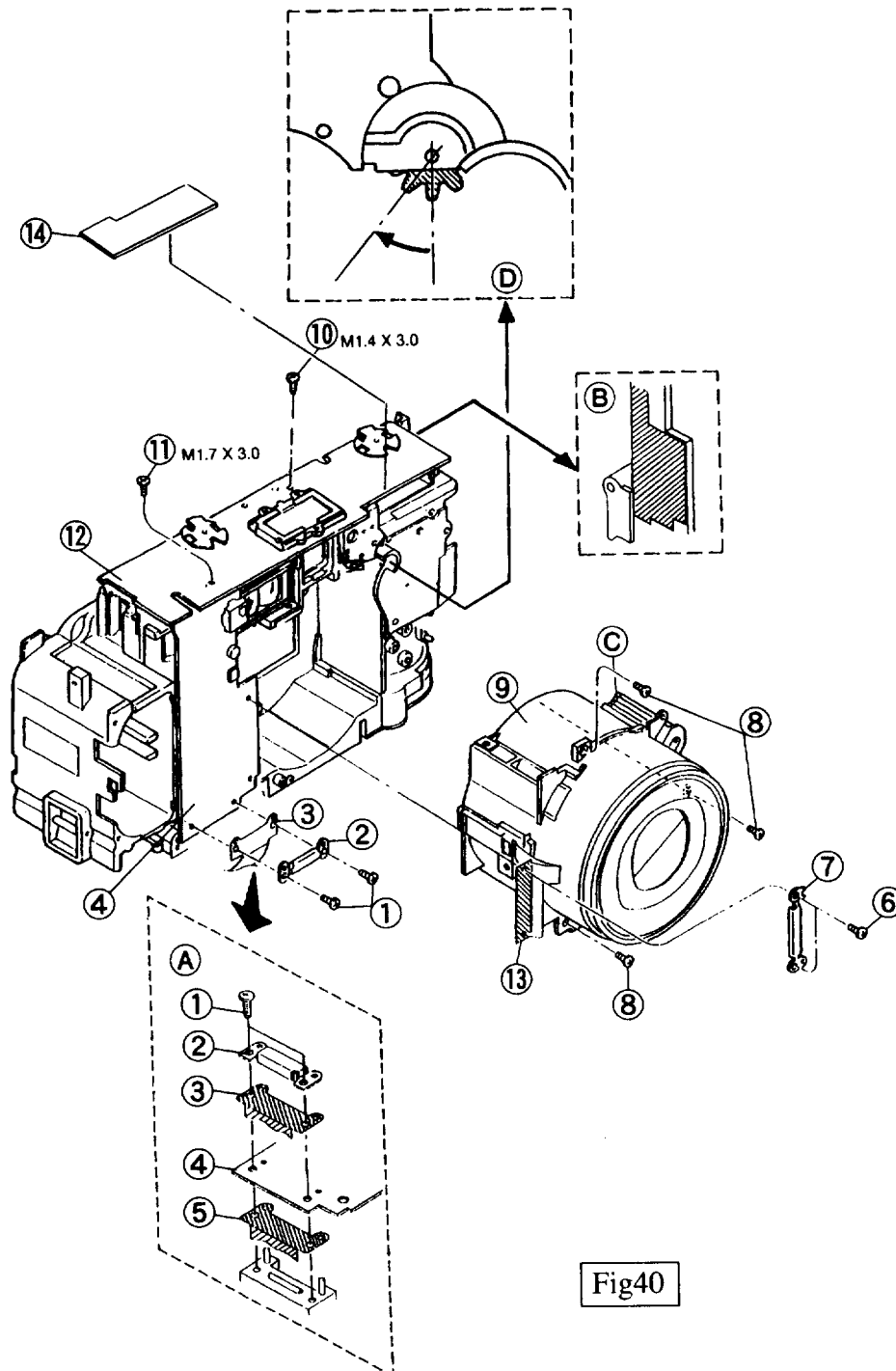


Fig40

OUTER PARTS

- (1) Set the DRIVE DIAL on the REAR COVER (⑥) at "ON" position.
- (2) Set the MODE DIAL on the REAR COVER (⑥) at "INFINITY MODE " position.
- (3) Set the MODE SW's on the MAIN PCB as shown in Fig.41, (A).
- (4) Put the DATE SW (⑦) to the REAR COVER ASS'Y (⑥). (DATE MODEL only)
- (5) Set the REAR COVER UNIT (⑥).
- (6) Set the MR SW (③).
- (7) Set the FRONT COVER UNIT (⑤) then tighten two SCREWS (④) and eight SCREWS (③).

[NOTE] Pay attention to the RELEASE SW.

- (8) Set the BACK COVER UNIT (②) then fix two HINGE PIN (①).

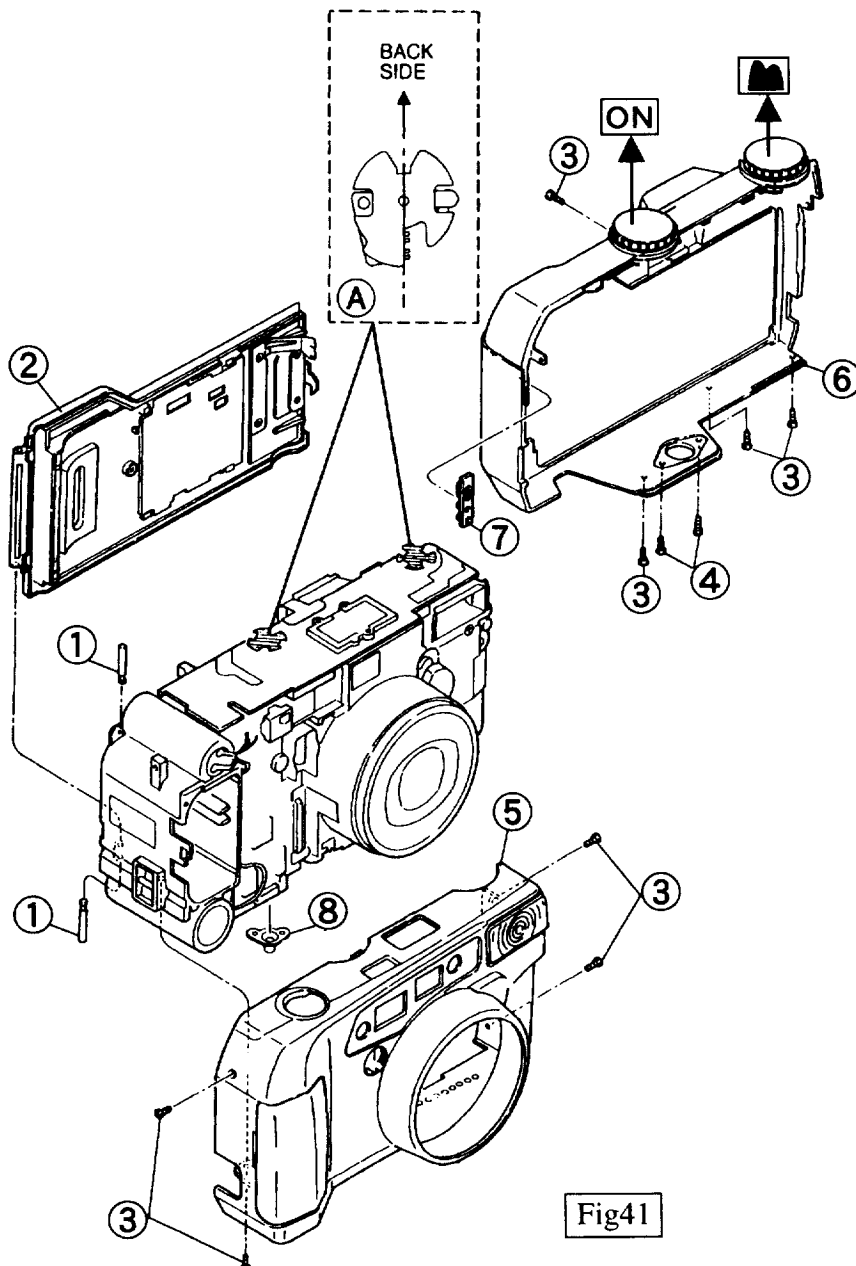
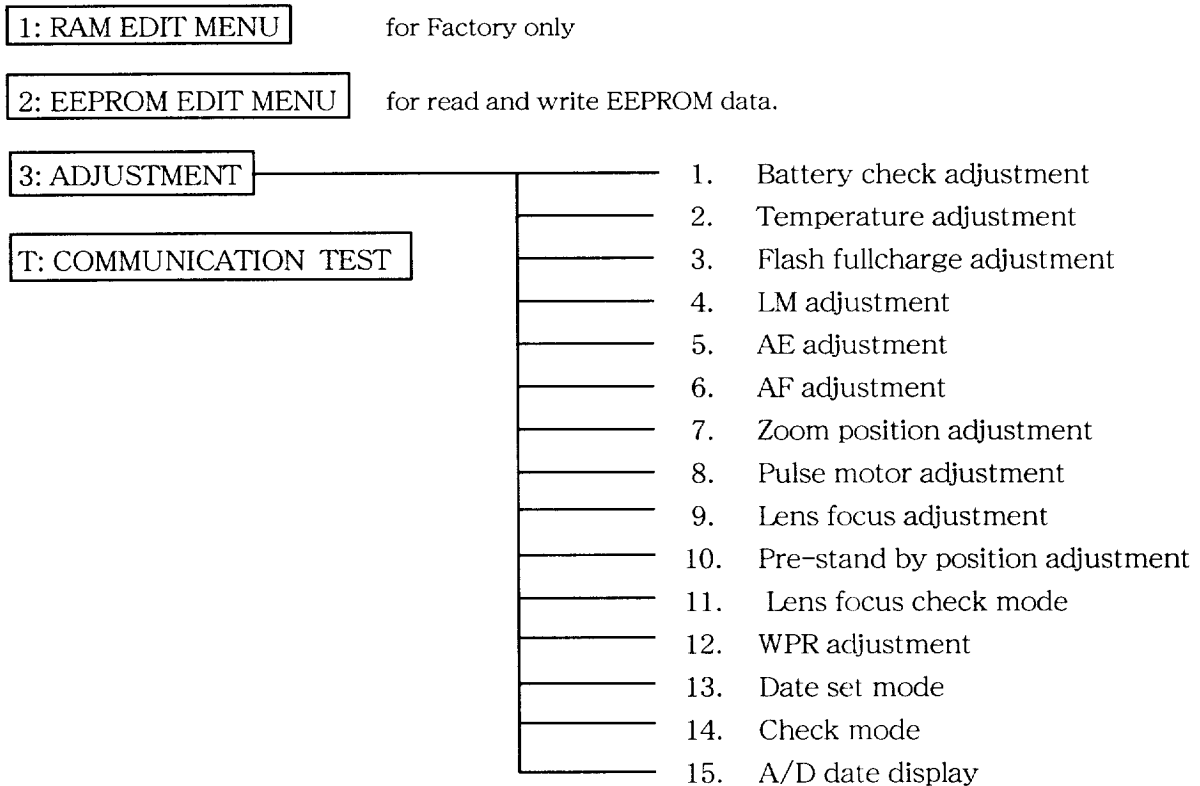


Fig41

1. OUT LINE OF ADJUSTMENT

(1) ADJUSTMENT MENU OF ZOOM800



(2) Function of the Adjustment mode

1. Battery check voltage adjustment mode

Write the Battery end voltage level (data) into the EEPROM.

2. Temperature adjustment mode

Write the Temperature level (data) into the EEPROM.

3. Flash fullcharge adjustment mode

Write the Flash full charging voltage level (data) into the EEPROM.

4. LM: Light measuring and Back light detecting adjustment mode

Write the Light measuring data and Back light detecting level data into the EEPROM.

5. AE: Auto exposure adjustment mode

Write the AE correction data into the EEPROM.

6. AF: Auto focus adjustment mode

Write the AF correction data into the EEPROM.

7. Zoom position adjustment mode

Write the Zoom position correction data into the EEPROM.

8. Pulse motor position adjustment mode

Write the Pulse (Focus) motor position data into the EEPROM.

Write the Lens focus correction data into the EEPROM

9. Lens focus adjustment mode

Write the Focus correction data into the EEPROM.

10. Pre-stand by position adjustment mode

Write the Focus pre-step data into the EEPROM.

11. Lens focus check mode

Mode for the Lens focus check.

12. WPR: Winding photo-reflector adjustment.

Write the threshold level of WPR data into the EEPROM.

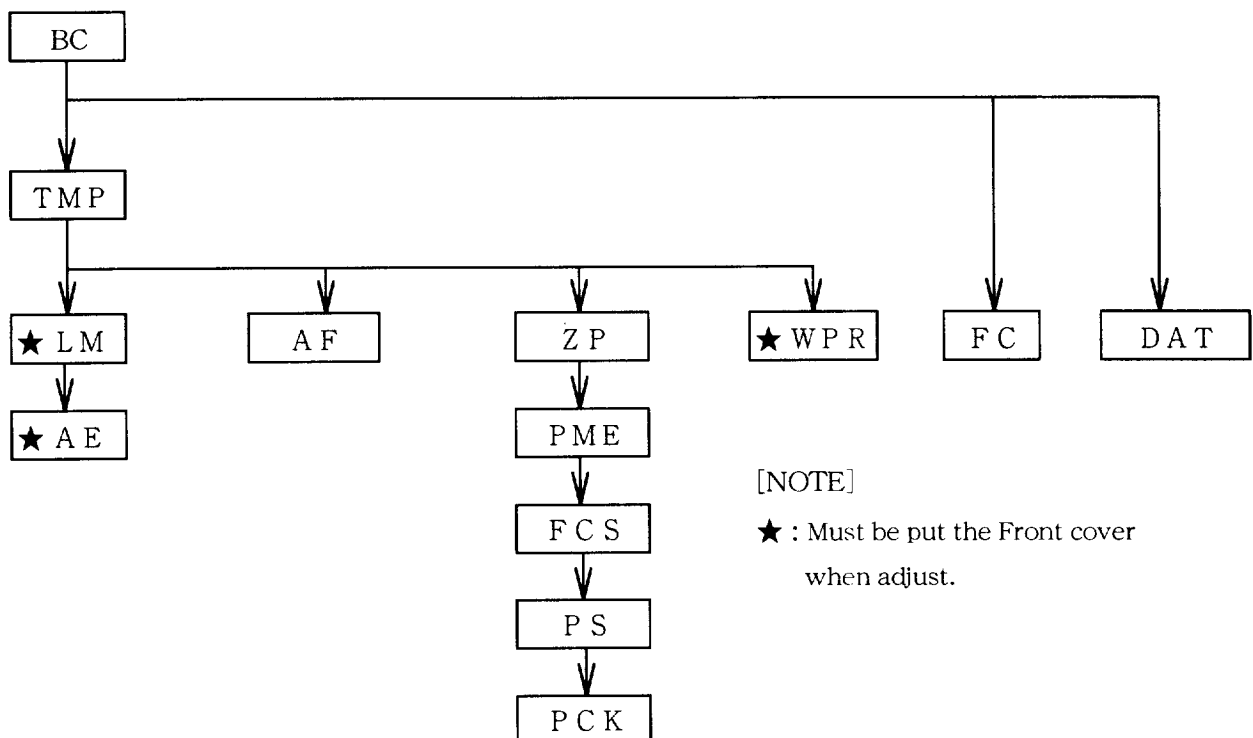
13. Date set mode for set the Date and Time of the Date module.

14. Check mode for set the Camera to TEST mode.

15. A/D date display for read the A/D data.

(3) Sequence of adjustment

[NOTE] MUST BE FOLLOW THIS SEQUENCE



(4) Adjustment items

	REPAIR or REPLACE					
	Lens barrel	Shutter U	MAIN PCB	FRONT PCB	AF U	Flash U
BC	○	○	☆	★	○	○
FC	○	○	☆	○	○	★
TMP	○	○	★	○	○	○
LM	○	○	★	○	○	○
AE	★	★	☆	○	○	○
AF	○	○	☆	○	★	○
ZP	★	★	☆	○	○	○
PME	★	★	☆	○	○	○
FCS	★	★	☆	○	○	○
PS	★	★	☆	○	○	○
WPR	○	○	☆	○	○	○

★ : Must be re-adjusted

☆ : Old data may be used. (Must be confirmed)

○ : Must not be re-adjusted. (Must be confirmed)

(5) "DATA ERROR" indication

During the adjustment when input or detect data is out of normal range, the PC will be indicated "DATA ERROR", Re-adjust or repair to proceed the adjustment.

2. SET UP ADJUSTMENT MODE

1) Set the I/F cable to the serial connector of the computer.

If your computer has 9pin connector,

Set the adapter to the computer then set the I/F cable to the adapter.

2) Boot up the computer with DOS.

3) Remove the No.plate of the camera.

4) Type "C" and press "Enter". (Type different drive letter if your hard disk isn't "C")

△ "CD ZOOM800"

5) Type ~~"CD Nikon"~~ and press "Enter". (Type different name letter if you copied other directory name)

6) Type "L136E" and press "Enter". The adjustment program will load and you'll see

"Please wait format and measure of transaction time now", (Max 6 sec.) on the screen.

Note: if you'll see "Not find Camera I/F on the screen", hit any key to next step.

7) After finished format, set the connector to camera and turn on Main switch.

8) Hit any key to next step.

△ ×1 Change page



3. EEPROM EDIT

Can be Display, edit and save the EEPROM data with this mode.

Detail of EEPROM edit command

UP : Previous

Display the previous page.

Down : Next

Display the next page.

C : Change

Change displayed data. (operate at each address)

W : Write

Write displayed data to the EEPROM.

L : Load

Open the EEPROM data (file format) from FDD,HDD or etc.

S : Save

Save displayed data to FFD,HDD or etc, at format.

D : Default


Mark the difference section compare with the default data. (this default data is select it your self)

SP : Read

Read the current data from EEPROM then display.

ESC : Main menu

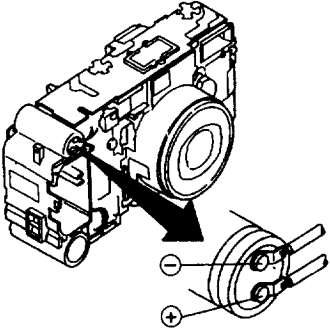
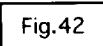
Return to main menu.

 How to rewrite any address data and to write in EEPROM :

1. Select "2. EEPROM Edit ".
2. Press " C ".
3. Input the address and press the " Enter " key.
4. Input the high-order data in the hexadecimal system and press the " Enter " key.
5. Input the low-order data in the hexadecimal system and press the " Enter " key.
6. Press " Y ".
7. Any changed data is displayed.
8. Press " W ".
9. Press " Y ". Then, any rewritten data is written in EEPROM.

4. ADJUSTMENT

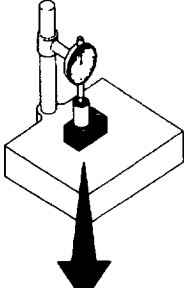
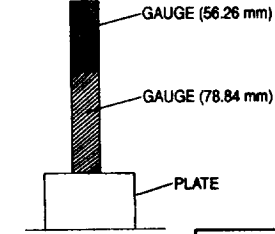
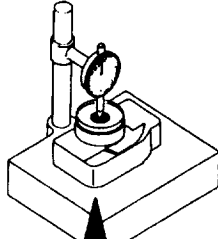
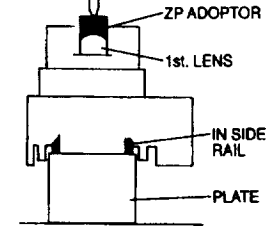
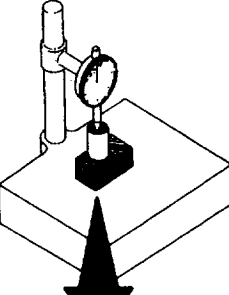
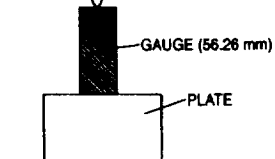
ADJUSTMENT	PROCEDURE	REMARKS							
1. BC (Battery check adjustment)	(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.								
	(2) Press "1" key then press "Enter" key to execute Battery check adjustment.								
	(3) Set the Power supply voltage at $4.00 \pm 0.05V$ then press "Y" key.								
	(4) Set the Power supply voltage at $4.50 \pm 0.05V$ then press "Y" key.								
	(5) Press "Y" key. (The BC data will be written into the EEPROM.)								
	(6) press "N" key to finish BC adjustment mode. (Return to Adjustment menu) When push "Y" key, the program will returned to top the BC adjustment.								
	(7) [CONFIRMING] Set the Power supply at checking voltage as chart. After set each voltage, open/close the back door then make sure battery indicate of the LCD.	<p>[NOTE] Must be checked from high voltage.</p> <table border="1" data-bbox="1138 1136 1511 1299"> <thead> <tr> <th data-bbox="1138 1136 1333 1174">Checking voltage</th> <th data-bbox="1333 1136 1511 1174">LCD BATT. mark</th> </tr> </thead> <tbody> <tr> <td data-bbox="1138 1174 1333 1213">4.7V</td> <td data-bbox="1333 1174 1511 1213">No BATT. mark</td> </tr> <tr> <td data-bbox="1138 1213 1333 1251">4.3V</td> <td data-bbox="1333 1213 1511 1251">TURN ON</td> </tr> <tr> <td data-bbox="1138 1251 1333 1299">3.8V</td> <td data-bbox="1333 1251 1511 1299">BLINK</td> </tr> </tbody> </table>	Checking voltage	LCD BATT. mark	4.7V	No BATT. mark	4.3V	TURN ON	3.8V
Checking voltage	LCD BATT. mark								
4.7V	No BATT. mark								
4.3V	TURN ON								
3.8V	BLINK								
2. TMP (Temperature adjustment)	(1) Measure the room temperature (° C) and memorize it.								
	(2) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.								
	(3) Press "2" key then press "Enter" key to execute Temperature adjustment.								
	(4) Input the temperature which memorized at (1) by "Number key" then press "Enter" key. (Integer) EXAMPLE When the temperature is 25° C, input as follow.(Decimal) 2 → 5 → Enter								
	(5) Press "Y" key. (The TMP data will be written into the EEPROM.)								
	(6) Press "N" key to finish TMP adjustment mode. (Return to Adjustment menu) When press "Y" key, the program will be returned to top of the TMP adjustment.								

ADJUSTMENT	PROCEDURE	REMARKS
3.FC (Flash full charge adjustment)	(1) Set the Digital multi meter to the both terminal of the Main capacitor as shown in Fig.42. Without the front cover require this adjustment.	[CAUTION] During this adjustment be careful with high voltage on flash circuit.
	(2) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power. (The Flash charging will be started.)	
	(3) Press "3" key and press "Enter" key to execute Flash charge voltage adjustment.	
	(4) Release the Shutter with flash fire.	
	(5) Measure the peak voltage of the Main capacitor and memorize it. [TOLERANCE] $320V \pm 5V$ When in the tolerance, not necessary to adjust. When out of tolerance, proceed to next.	
	(6) Input the peak voltage which memorized at (3) by "Number" key then press "Enter" key. EXAMPLE When the peak voltage is 310V, input as follow. (Decimal) 3 → 1 → 0 → Enter	
	(7) Press "Y" key. (The FC data will be written into the EEPROM)	
	(8) Press "N" key to finish FC adjustment mode. (Return to adjustment menu) When press "Y" key, the program will be returned to top of the FC adjustment.	
	(9) [CONFIRMING] Discharge the Main capacitor (release the Shutter) and measure the peak voltage again. [TOLERANCE] $320V \pm 5V$ When out of tolerance, repeat (4) - (9) till get in the tolerance.	
		

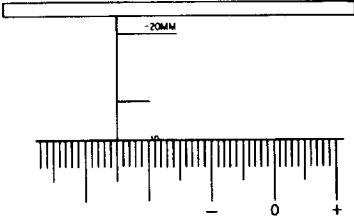
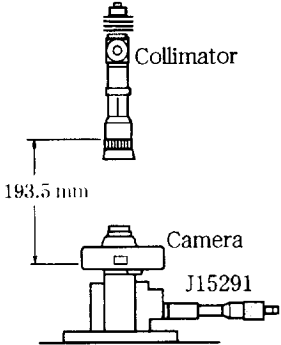
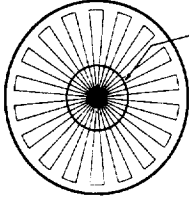
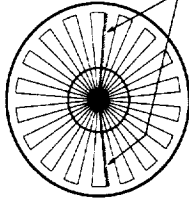
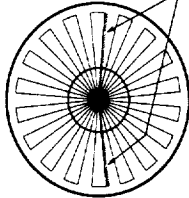
ADJUSTMENT	PROCEDURE	REMARKS
4. LM (Light measuring and Back light adjustment)	(1) Set the camera on the Brightness box (AE tester). [NOTE] ZOOM POSITION:WIDE	[NOTE] With the front cover require this adjustment.
	(2) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.	
	(3) Press "4" key and press "Enter" key to execute LM adjustment.	
	(4) Set the Brightness box at LV15 then press "Y" key .	
	(5) Set the Brightness box at LV9 then press "Y" key. NOTE: When adjust at LV9, cover the camera by black cloth to prevent the light leaking from outside. (or set the light condition of the room to dark)	
	(6) Press "Y" key. The LM data will be written into the EEPROM.	
	(7) Press "N" key to finish LM adjustment mode. (Return to adjustment menu) When press "Y" key, the program will be returned to top of the LM adjustment.	
<p>[NOTE]</p> <p>The TMP adjustment must be done, before start the LM adjustment.</p> <p>Put Front cover every time when adjusting LM.</p>		
5. AE (Auto exposure adjustment)	(1) Set the Camera on the AE tester.	[NOTE] With the front cover require this adjustment.
	(2) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.	
	(3) Open the Back cover and release the Back cover lock then set the Camera at WIDE position and the INFINITY mode.	
	(4) Press "5" key and press "Enter" key to execute AE adjustment.	
	(5) Set the Brightness box (AE tester) at LV 15 then press "Enter" key.	SET CAMERA AT INFINITY MODE AND WIDE POSITION.
	(6) Measure the AE by releasing the Release button of Camera. (Memorize the average value.)	CHECK AE WITH AE TESTER AND INPUT ERROR (EV)
	(7) Input the EV error which memorized at (6) by "Number" key then press "Enter" key. EXAMPLE When the EV error is -0.5EV, input as follow. (Decimal) - → 0 → . → 5 → Enter	
	(8) Check AE again by pressing the release button and input the EV error by "Number" key then press "Enter" key.	

ADJUSTMENT	PROCEDURE	REMARKS						
	<p>(9) Repeat (8) till the PC display changes to (10).</p> <p>(10) Set the Brightness box (AE tester) at LV 9 then press "Enter" key.</p> <p>(11) Check AE at LV9 by pressing the release button and input the EV error by "Number" key then press "Enter" key.</p> <p>(12) If the value is in tolerance, the personal computer will go to next step (write to EEPROM) automatic. If the value is out of tolerance, keep continue(5)~(12) until the value in the tolerance.</p>	<p>[TOLERANCE]:</p> <table border="1" data-bbox="1235 478 1533 621"> <tr> <td>LV 9</td> <td>$0 \pm 1.0 \text{ EV}$</td> </tr> <tr> <td>LV 1 2</td> <td>$0 \pm 1.0 \text{ EV}$</td> </tr> <tr> <td>LV 1 5</td> <td>$0 \pm 1.0 \text{ EV}$</td> </tr> </table>	LV 9	$0 \pm 1.0 \text{ EV}$	LV 1 2	$0 \pm 1.0 \text{ EV}$	LV 1 5	$0 \pm 1.0 \text{ EV}$
LV 9	$0 \pm 1.0 \text{ EV}$							
LV 1 2	$0 \pm 1.0 \text{ EV}$							
LV 1 5	$0 \pm 1.0 \text{ EV}$							
<p>[NOTE]</p> <p>The TMP adjustment and the LM adjustment must be done, before start the AE adjustment.</p> <p>Put Front cover every time when adjusting AE.</p>								
<p>6.AF (AF adjustment)</p>	<p>(1) Set the Camera (Connector) on the Tripod.</p> <p>(2) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power. (The Battery may be used for AF adjustment)</p> <p>(3) Press "6" key then press "Enter" key to execute AF adjustment .</p> <p>(4) When confirm the AF data before adjust AF, press "Y" key. [NOTE] when "Y" key is pressed,the program will be skipped to (9) then confirm the AF (DISTANCE) data. Press "N" key to proceed the AF adjustment.</p> <p>(5) When the AF unit has replaced, press "Y" key. When the AF unit has not replaced, press "N" key.</p> <p>(6) Set the Camera (film plane) at 1.025m from the AF chart (for 1 m) and push the Release button of the Camera then press "Y" key. ☆The AF LED must be tuned ON, when push the RL1 SW. ☆The AF target in the Finder must be set at center of the AF chart. [NOTE] Do not cross between the Camera and the AF chart during the AF adjustment.</p>							

ADJUSTMENT	PROCEDURE	REMARKS
(AF adjustment)	<p>(7) Set the Camera (film plane) at 3.025 m from the AF chart (for 3 m) and push the Release button of the Camera then press "Y" key.</p> <p>(The calculation for the AF data will be started and written the new data into the EEPROM.)</p> <p>☆ The AF LED must be turned ON, when push the RL1 SW.</p> <p>☆ The AF target in the Finder must be set at center of the AF chart.</p>	
	<p>(8) Press "Y" key. (The AF data will be written into the EEPROM.)</p>	
	<p>(9) [CONFIRMING]</p> <p>1) Press "Y" key to confirm distance.</p> <p>2) Set the camera at 1.025m and 3.025m from the AF chart.</p> <p>3) Push the Release button of camera then press "Y" key and read out the data.</p> <p>(The AF data will be appeared on the PC display.)</p> <p>[TOLERANCE]</p> <p>3.025 m: 2.76m ~ 3.24m</p> <p>1.025 m: 0.97m ~ 1.03</p> <p>When the data is out of tolerance, repeat (3)~(9) till get in the tolerance.</p> <p>Press "N" key to finish AF confirming.</p> <p>Press "Y" key to do confirm again.</p>	
	<p>(10) Press "N" key to finish AF adjustment mode.</p> <p>(Return to main menu)</p> <p>When press "Y" key, the program will be returned to top of the AF adjustment.</p>	
<p>[NOTE]</p> <p>The TMP adjustment must be done, before start the AF adjustment.</p> <p>Put Front cover and Barrier every time when adjusting AF.</p>		

ADJUSTMENT	PROCEDURE	REMARKS	
7. ZP (Zoom position adjustment)	(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.		
	(2) Take off two Hinge pin and remove the Back cover then release the Back cover lock.		
	(3) Press "7" key then press "Enter" key to execute Zoom position adjustment .		
	(4) Mount two Gauges (56.26 mm and 78.84mm: Total length= 135.10 mm) and the Plate on the Dial gauge as shown in Fig. 43.		
	(5) Adjust the "O" point of the Dial gauge with the Gauges (135.10 mm).		
	(6) Press "Y" key. (The Lens barrel will be set at TELE position automatic.)		
	(7) Put the ZP adapter on the 1st. lens, and mount the Camera on the Plate (Inside rail of the Camera) and set them on the Dial gauge as shown in Fig.44.		
	(8) Measure the difference of height between (top of the ZP adapter and the Gauges (56.26 mm + 78.84 mm) with the Dial gauge.		
	(9) Remove the Camera from the Dial gauge.		
	(10) Input the difference of the height (mm) by "NUMBER" key then press "Enter" key. EXAMPLE Difference: -0.12mm - → 0 → . → 1 → 2 → Enter		
	(11) Mount the Gauge (56.26 mm) and the Plate on the Dial gauge as shown in Fig. 45.		
	(12) Adjust the "O" point of the Dial gauge with the Gauge (56.26 mm).		
	(13) Press "Y" key. (The Lens barrel will be set at WIDE position.)		
	(14) Put the ZP adopter on the 1st. lens. and mount the Camera on the Plate (Inside rail of the Camera) and set them on the Dial gauge.		
	(15) Measure the difference of height between top of the ZP adopter and the Gauge (56.26 mm) with the Dial gauge.		

ADJUSTMENT	PROCEDURE	REMARKS
(Zoom position adjustment)	<p>(16) Input the difference of the height(mm) by "NUMBER" key then press "Enter" key.</p> <p>EXAMPLE</p> <p>Difference: -1.56 mm</p> <p>--> 1 -> . -> 5 -> 6 -> Return</p> <p>(The Lens barrel will be set at HOUSING position.)</p>	
	<p>(17) Press "Y" key, when the Barrier is closed.</p> <p>[NOTE]</p> <p>When the Barrier is not closed, push "N" key to finish adjustment then disassemble the Camera and confirm the gear connecting position between the Lens barrel gear and the Zoom gear.</p>	
	<p>(18) Press "Y" key. (The ZP data will be written into the EEPROM.)</p>	
	<p>(20) Press "N" key to finish ZP adjustment mode. (Return to main menu)</p> <p>When push "Y" key, the program will be returned to top of the ZP adjustment.</p>	
8.PME (Pulse motor adjustment)	<p>(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.</p>	
	<p>(2) Press "8" key and press "Enter" key to execute pulse motor adjustment .</p>	
	<p>(3) Press "Y" key.</p> <p>The shutter will be released 5 times automatically.</p> <p>And wait until auto adjustment is finished.</p>	
	<p>(4) Press "Y" key. (The PME data will be written into the EEPROM.)</p>	
	<p>(5) Press "N" key to finish PME adjustment mode.</p> <p>(Return to main menu)</p> <p>When press "Y" key, the program will be returned to top of the PME adjustment.</p>	
9.FCS (Lens Focus adjustment)	<p>(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.</p>	
	<p>(2) Open the Back cover and release the Back cover lock.</p>	
	<p>(3) Press "3" key to select the Adjustment from the main menu.</p>	
	<p>(4) Press "9" key to select the Lens Focus adjustment from the Adjustment menu.</p>	


ADJUSTMENT	PROCEDURE	REMARKS
(Lens Focus adjustment)	(5) Set the Collimator (193.5 mm) and the FFD tool as follow. Collimator -12.5 mm (3m position), Fig46 FFD tool 0.00mm	
	(6) Mount the Camera on the FFD tool and set them on the Collimator. Fig47	
	(7) Press "Y" key. (The Lens barrel will be set at WIDE position and the Shutter will be opened about 2 sec. later.) [NOTE] The Shutter blades will be closed for 4 sec. Press "Y" key to open again. (Do not input any number, when open the shutter blades again.)	
	(8) Check the focus by turning the FFD tool dial until get infocus and read the scale of FFD tool (error form center position of FFD tool) and memorize it. NOTE: Perform 5 or 6 times and take the average value. CENTER POSITION of FFD tool = 0.00 mm	
	(9) Input the value of FFD tool (Bf error:mm) which memorize at (8) by "NUMBER" key then press "Enter" key. [NOTE] When the error is minus side, put "-" in front of the numbers. EXAMPLE scale=-0.21mm INPUT -- → 0 → . → 2 → 1 → Enter	Location where vertical line color changes from blue to red.
	[NOTE] When input data is out of tolerance, repeat from (7)	
	(10) Press "Y" key.	
	(The Lens barrel will be set at WIDE-MID position And the Shutter blades will be opened.) [NOTE] The Shutter blades will be closed for 4 sec. Press "Y" key to open again. (Do not input any number,when open the shutter blades again.)	

ADJUSTMENT	PROCEDURE	REMARKS
(Lens Focus adjustment)	<p>(11) Check the focus by turning the FFD tool dial until get infocus and read the scale of FFD tool (error form center position) and memorize it.</p> <p>NOTE: Perform 5 or 6 times and take the average value.</p> <p>CENTER POSITION of FFD tool = 0.00 mm</p>	
	<p>(12) Input the value of FFD tool (Bf error:mm) which memorize at (11) by "NUMBER" key then push "Enter" key.</p> <p>[NOTE]</p> <p>When the error is minus side, put "—" in front of the numbers.</p> <p>EXAMPLE</p> <p>ERROR: -0.15 mm</p> <p>INPUT:</p> <p>— → 0 → . → 1 → 5 → Enter</p>	<p>[NOTE]</p> <p>When input data is out of tolerance, repeat from (10).</p>
	<p>(13) Press "Y" key.</p> <p>(The Lens barrel will be set at MID. position. And the Shutter blades will be opened.)</p> <p>[NOTE]</p> <p>The Shutter blades will be closed for 4 sec.</p> <p>Press "Y" key to open again.</p> <p>(Do not input any number, when open the shutter blades again.)</p>	
	<p>(14) Check the focus by turning the FFD tool dial until get infocus and read the scale of FFD tool (error form center position) and memorize it.</p> <p>NOTE: Perform 5 or 6 times and take the average value.</p> <p>CENTER POSITION of FFD tool = 0.00 mm</p>	
	<p>(15) Input the value of FFD tool (Bf error:mm) which memorize at (14) by "NUMBER" key then push "Enter" key.</p> <p>[NOTE]</p> <p>When the error is minus side, put "—" in front of the numbers.</p> <p>EXAMPLE</p> <p>ERROR: +0.20 mm</p> <p>INPUT: 0 → . → 2 → 0 → Enter</p>	<p>[NOTE]</p> <p>When input data is out of tolerance, repeat from (13)</p>

ADJUSTMENT	PROCEDURE	REMARKS
(Lens Focus adjustment)	<p>(16) Press "Y" key. (The Lens barrel will be set at MID.-TELE position. And the Shutter blades will be opened.) [NOTE] The Shutter blades will be closed for 4 sec. Press "Y" key to open again. (Do not input any number, when open the shutter blades again.)</p>	
	<p>(17) Check the focus by turning the FFD tool dial until get infocus and read the scale of FFD tool (error form center position) and memorize it. NOTE: Perform 5 or 6 times and take the average value. CENTER POSITION of FFD tool = 0.00 mm</p>	
	<p>(18) Input the value of FFD tool (Bf error: mm) which memorize at (17) by "NUMBER" key then press "Enter" key. [NOTE] When the error is minus side, put "-" in front of the numbers. EXAMPLE ERROR: - 0.15 mm INPUT: - → 0 → . → 1 → 5 → Enter</p>	<p>[NOTE] When input data is out of tolerance, repeat from (16)</p>
	<p>(19) Press "Y" key. (The Lens barrel will be set at TELE position. And the Shutter blades will be opened.) [NOTE] The Shutter blades will be closed for 4 sec. Press "Y" key to open again. (Do not input any number, when open the shutter blades again.)</p>	
	<p>(20) Check the focus by turning the FFD tool dial until get infocus and read the scale of FFD tool (error form center position) and memorize it. NOTE: Perform 5 or 6 times and take the average value. CENTER POSITION of FFD tool = 0.00 mm</p>	

ADJUSTMENT	PROCEDURE	REMARKS
(Lens Focus adjustment)	<p>(21) Input the value of FFD tool (Bf error:mm) which memorize at (20) by "NUMBER" key then press "Enter" key.</p> <p>[NOTE]</p> <p>When the error is minus side, put "-" in front of the numbers.</p> <p>EXAMPLE</p> <p>ERROR: + 0.18 mm</p> <p>INPUT:</p> <p>→ 0 → . → 1 → 8 → Enter</p>	<p>[NOTE]</p> <p>When input data is out of tolerance, repeat from (19)</p>
	<p>(22) Press "Y" key.</p> <p>(The FCS data will be written into the EEPROM.)</p>	
	<p>(23) Press "N" key to finish FCS adjustment mode. (Return to Adjustment menu)</p> <p>When press "Y" key, the program will be returned to top of the FCS adjustment.</p>	
10.PS (Pre-Stand by position adjustment)	<p>(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.</p>	
	<p>(2) Press "3" key to select the Adjustment from the main menu.</p>	
	<p>(3) Press "10" key to select the Pre-Stand by position adjustment</p>	
	<p>(4) The Zoom will be moved automatically. And wait until auto adjustment is finished.</p>	
	<p>(5) Press "Y" key. (The PS data will be written into the EEPROM.)</p>	
	<p>(6) Press "N" key to finish PS adjustment mode. (Return to Adjustment menu)</p> <p>When press "Y" key, the program will be returned to of the PS adjustment.</p>	

[CONFIRMING LENS FOCUS]

ADJUSTMENT	PROCEDURE	REMARKS									
11.PCK (Lens focus check mode)	(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power. (Release the Back cover lock.)										
	(2) Press "11" key execute to the lens focus check mode.										
	(3) Set the Collimator (193.5 mm) and the FFD tool as follow. Collimator -12.5 mm (3 m position) Fig46 FFD 0.00 mm										
	(4) Mount the Camera on the FFD tool and set them on the Collimator.										
	(5) Set the Zoom position which confirming the Lens focus with T/W SW of the Camera.										
	(6) Press "Y" key. (The Shutter blades will be opened.)										
	(7) Confirm the Lens focus by turning the FFD tool dial. [TOLERANCE] (FFD tool)  Note: Although the applicable tolerance for lens back focus is different between the adjustment software's and the repair manual's, its standard stated in the repair manual shall be applicable.	<table border="1"> <tr> <td data-bbox="1117 1009 1214 1072">TELE</td> <td data-bbox="1214 1009 1312 1072">0</td> <td data-bbox="1312 1009 1520 1072">+0.23 -0.13</td> </tr> <tr> <td data-bbox="1117 1072 1214 1136">MID</td> <td data-bbox="1214 1072 1312 1136">0</td> <td data-bbox="1312 1072 1520 1136">+0.17 -0.07</td> </tr> <tr> <td data-bbox="1117 1136 1214 1199">WIDE</td> <td data-bbox="1214 1136 1312 1199">0</td> <td data-bbox="1312 1136 1520 1199">+0.24 -0.11</td> </tr> </table>	TELE	0	+0.23 -0.13	MID	0	+0.17 -0.07	WIDE	0	+0.24 -0.11
	TELE	0	+0.23 -0.13								
MID	0	+0.17 -0.07									
WIDE	0	+0.24 -0.11									
(8) Press "N" key to finish PCK mode. (Return to Main menu) When press "Y" key to confirm the Lens focus again. (Return to (6))											
12.WPR (Winding photoreflector adjustment)	(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.										
	(2) Press "12" key execute to WPR adjustment mode.										
	(3) Load the STANDARD FILM in the Camera then close the Back cover and wait until the First frame is set. (Automatic adjustment) [RECOMMENDED STANDARD FILM] FUJI SUPER G-100 [NOTE] Most popular film in your country may be used for the Standard film.	SET STANDARD FILM AND CLOSE BACK COVER. FIRST FRAME SET IS									
	(4) Press "Y" key. (The WPR data will be written into the EEPROM)										

ADJUSTMENT	PROCEDURE	REMARKS
(Winding photoreflector adjustment)	(5) Press "N" key to finish WPR adjustment mode. (Return to Main menu) When press "Y" key, the program will be returned to top of the WPR adjustment.	
	(6) Rewind the film by pressing the MR SW. (Push the MR SW twice for the Film leader leaves out side of cartridge.)	
13.DAT (Date set mode)	(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.	
	(2) Press "13" key then press "Enter" key execute to Date set mode.	
	(3) Press "Y" key, when the Camera is Date model. Press "N" key, when the Camera is Non-Date model. (Adjustment will be finished.)	
	(4) Press "Y" key. (The Date and Time of the Camera will be set).	
	(5) Press :N" key to finish DAT mode. (Return to Main menu) When press "Y" key, the program will be returned to top of the DAT mode. [NOTE] The Date and Time of the PC must be set correctly.	

5. EXPLANATION OF OTHER MODES

ADJUSTMENT	PROCEDURE	REMARKS
1. CHECK MODE	(1) Connect the Power supply to the Camera then turn ON the Power supply power (5.8v) and the Camera power.	
	(2) Press "14" key then press "Enter" key to execute to check mode.	
	(3) Press "Y" key.	
	(4) The "CAMERA CONDITION INDICATING" mode is set. RLC: Number of total shots STC: Number of Flash shots ERRC: Number of Error happens NG: Error record	
	(5) Press "N" key to proceed to next mode. Press "Y" key to renew the "CAMERA CONDITION INDICATING" data.	
	(6) Press "Y" key to set the "CHECK" mode. Press "N" key to pass the "SWITCH CHECK" mode [NOTE] Refer to ① SWITCH CHECK MODE and ② MOVEMENT CHECK MODE.	
	(7) Press "Y" key to proceed to next mode. [NOTE] When proceed to next mode, the CHECK MODE must be canceled.	
	(8) Press "Y" key to set the "AF & AE INDICATION" mode. Press "N" key to pass the "AF & AE INDICATION" mode. [NOTE] Refer to ③ AF & AE INDICATION MODE.	
	(9) Press "Y" key to finish.	
	(10) Press "N" key to finish CHK mode. (Return to Adjustment menu) When press "Y" key, the program will be returned to top of the CHK mode.	

① SWITCH CHECK-MODE

When operate the Switch in this mode, the number will be appeared on the Camera LCD, if the Switch signal is accepted with the Camera CPU.

1) DRIVE MODE DIAL ··· Will be Indicated on high order of the Film counter.

DIAL POSITION	LCD DISPLAY (High)
OFF	0
ON	1
SELF-TIMER	2
REMOTE-CONTROL	4
CONTINUOUS	8

2) EXPOSURE MODE DIAL ··· Will be indicated on low order of the Film counter.

DIAL POSITION	LCD DISPLAY (Low)
S.AF	0
AUTO	1
PORTRAIT	2
ACTION	4
INFINITY	8
SUPER NIGHT	F

3) OPERATION SWITCHES

Will be indicated on low order of the Film counter, only when the SW is turned ON.

SWITCH NAME	LCD DISPLAY	SWITCH NAME	LCD DISPLAY
RL 1	1	MR	9
RL2	2	PANO (ON)	A
TELE	3	DX2	B
WIDE	4	DX 3	C
ST (FLASH)	5	DX4	D
MODE (DATE)	6	BACK (OPEN)	E
SELECT (DATE)	7	PANO (OFF)	F
SET (DATE)	8	BACK (CLOSE)	0

② MOVEMENT CHECK MODE

Push the ST (FLASH) SW and the TELE (or WIDE) SW at same time in the SWITCH CHECK MODE, the Camera will be set at the MOVEMENT CHECK MODE.

("O" will be appeared on the Camera LCD, when the MOVEMENT CHECK MODE is set.) Turn ON the TELE SW or WIDE SW to change the Checking item.

(The number on the LCD will be changed.) Push RL1 SW to perform the each Movement check.

TEM NO (LCD)	PART	OPERATION	MESSAGE ON LCD (ERROR No. or Data)
1	ZOOM	(1) Draw to TELE direction for 1 sec.. (2) Return to WIDE direction for 1 sec.. (3) While moving. display the ZP data on the LCD for each 0.1 sec..	E1: When ZP signal is not changed.
2	SHUTTER	(1) Open/Close the Shutter 3 times.	E2: When SPR signal Is not changed.
3	FILM TRANSPORT	(1) Turn Winding direction for 1 sec.. (2) Turn Rewinding direction for 1 sec..	E3: When WPR signal is not changed.
4	BC	(1) Perform BC operation. (2) Indicate BC data on the LCD.	"BC" → "BC DATA" →
5	AE	(1) Perform AE (LM) operation. (2) Indicate TMP, LM data on the LCD.	"AE" → "TMP DATA" → → "SP DATA" → "AV DATA"
6	EEPROM	(1) Indicate EEPROM data of address 05 (L) on the LCD.	"EE" → "DATA"
7	AF	(1) Perform AF operation. (2) Indicate AF (1/L) data on the LCD	"AF" → "AF DATA (H)" → "AF DATA (L)" E4: When AF is not completed.
8	LCD	(1) Turn ON the LCD segment one by one.	
9	FLCD	(1) Turn ON the FLCD segment one by one. (FLCD model only)	
A	LED	(1) Trun ON the SELF lamp, AF LED, FLASH LED and MD LED for 1 sec.	
B	DATE	(1) Indicate "YEAR.MONTH.DAY" on the LCD. (2) Turn ON Date printing LED one by one. (3) Indicate "- - -" on the LCD.	
C	FLASH CHARGE	(1) Charge the Flash. (2) Emit flash if charge is OK	E5: When charge is not completed.
D	FLASH EMIT	(1) Emit flash. (Output SY signal)	
E	FOCUS	(1) Perform the Focus reset operation.	E6: When FPI signal is not changed.
O	ALL	Perform "1" ~ "E" continuously	

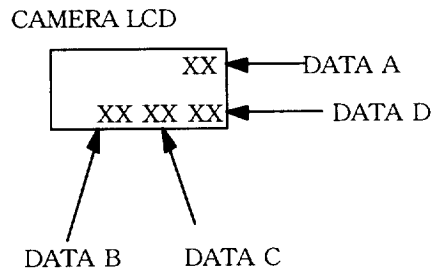
[NOTE] CANCEL OF TEST MODE

Push the ST (FLASH) SW and MODE (DATE), SW at the same time or remove the Camera battery to cancel the MOVEMENT CHECK MODE.

③ AF & AE INDICATION MODE

When push the RL I SW in this mode, the Data will be appeared on the Camera LCD.

The indicating Data will be changed according to the Flash mode.



FLASH MODE (LCD DISPLAY)	DATA A	DATA B	DATA C	DATA D
NORMAL (AUTO)	Lens step data	AF (1/L) data (H)	AF (1/L) data (L)	AF data
RED-EYE	NG data	AF data	AF data	PULSE MOTOR data
OFF	AE step data	AE (SP) step data	AE (AV) step data	TMP data
ON	ZP data	G.No. shift data	AE shift data	F.No. data
SLOW SYNCHRO	Flash data	FM data	FM data	G.No.data

6. EEW mode

EEPROM Dummy data writing mode.

[NOTE] When use this mode, all data in the EEPROM will be renewed to the Dummy data.

(All adjustment procedurs must be re-adjusted.)

- (1) Enter "2" to select the EEPROM edit menu from the main menu.
- (2) Press "L" to choose "Load" function.
- (3) Input the file name "mp1" and then press "Enter" key.
- (4) Press "W" to write Dummy data into EEPROM.
- (5) Press "ESC" key return to main menu.

[NOTE] The Dummy data in EEPROM on the spare parts of MAIN PCB has been input by factory

7. A/D mode

The ND data that input to the CPU can be read with this mode.

- (1) Press "3" to select the Adjustment from the main menu.
- (2) Press "15" to select the A/D Data Display from the Adjustment menu.
- (3) The A/D data are appeared on the PC display.
- (4) Press "N" key to finish A/D mode.
- (5) Press "Y" key to indicate again. (The data will be renewed.)

ZP = XXH	ROK = XXH	ZP :Zoom position data
AVE = XXH	SP = XXH	ROK :Flash charge data
TEMP = XXH	BC =XXH	SP :Light measuring SPOT data
CONTINUE ? (Y/N)		AV :Light measuring AVE data
		TEMP :Temperature data
		BC :Battery check data

8. RAM ... For Factory only

9. Confirming the Lens focus with out using the computer.

- (1) Open the Camera back cover.
- (2) Release the Back cover bottom. (Set the Back cover button to the CLOSE position.)
- (3) Set the Camera at the INFINITY MODE.
- (4) Cover the Light measuring window with a Black tape.
- (5) Mount the Camera on the FFD tool with the Collimator.

COLLIMATOR 0.0 (∞ position)

FFD 0.00 mm (center)

- (6) Select the Zoom position by the T/W button.
- (7) Push the Shutter button to open the Shutter blade for 2 sec..
(The Lens will be set at infinity position.)
- (8) Confirm the Lens focus.
-TOLERANCE- (FFD)

TELE $0 \pm \begin{matrix} 0.23 \\ 0.13 \end{matrix}$ mm

MID $0 \pm \begin{matrix} 0.17 \\ 0.07 \end{matrix}$ mm

WIDE $0 \pm \begin{matrix} 0.24 \\ 0.11 \end{matrix}$ mm

10. EEPROM ADDRESS and DATA

ADDRESS	H/L	DATA	
00	H	AA	Nomally "AA"
* 00	L	FF	Data is "FF", non data is "00"
01	H	00	Winding condition memory
01	L	00	Film counter memory
* 02	H	5C	Film winding (WPR) data
02	L	68	LM data
03	H/L	0000	LM data
04	H/L	EF00	For factory use , must be set "EF00"
05	H	00	Number of ERROR happens
05	L	00	Error number record bit 0:Zoom, bit 1:Pulse motor, bit 2:Shutter, bit 3:AFIC, bit 4:IFIC
06	H/L	0000	Number of shutter release
07	H/L	0000	Number of flash fire
08	H	96	
08	L	3C	
* 09	H/L	7E8D	BC (battery check) data
0A	H	18	
0A	L	04	
0B	H	47	
0B	L	74	Zoom motor data
0C	H/L	7974	Zoom motor data
0D	H	74	Zoom motor data
0D	L	78	AF lamp data
0E	H	7A	Self lamp data
0E	L	77	Focus motor data
0F	H	77	Focus motor data
0F	L	77	Shutter Mg data
10	H	7E	Shutter Mg data
10	L	74	Wind motor data
11	H	60	WPR data
* 11	L	5C	WPR data
12	H/L	6554	SPR data
13	H/L	655A	FPI data
* 14	H/L	0505	Shutter home position data
15	H/L	1914	Focus motor data
16	H/L	683C	AE data
17	H/L	823C	AE data
18	H	83	AE data
* 18	L	3C	AE data
19	H	3C	AE data
* 19	L	3C	AE data
* 1A	H	53	AE data
1A	L	A0	AE data
1B	H/L	3210	AE data
* 1C	H/L	1028	ZP data
* 1D	H/L	303A	ZP data
* 1E	H/L	EAEA	ZP data



ADDRESS	H/L	DATA	
1F	H/L	1511	Date printing data
20	H/L	5870	Date printing data
21	H/L	8D28	Date printing data
22	H	14	Date printing data
22	L	B8	Flash data
* 23	H/L	B8C5	Flash data
* 24	H	99	AE (TMP) data
24	L	E3	AE (TMP) data
* 25	H/L	2A95	AE (TMP) data
* 26	H	99	FCS (TMP) data
26	L	97	FCS (TMP) data
27	H	80	FCS (TMP) data
* 27	L	99	AF (TMP) data
28	H	67	AF (TMP) data
28	L	4C	AE data
29	H	15	AF data
29	L	6E	Auto zoom data
2A	H/L	E188	Auto zoom data
2B	H/L	52BE	LM (Low light) data
2C	H/L	6C74	LM (Low light) data
2D	H	76	LM (Low light) data
2D	L	74	AF data
2E	H/L	5B47	AF data
2F	H/L	7C0B	Flash data
30	H/L	8B10	AE (BLC) data
31	H	15	AE (BLC) data
* 31	L	80	LM data
* 32	H/L	6036	LM data
* 33	H	36	LM data
33	L	8B	Flash data
* 34	H/L	0306	Flash data
35	H/L	5400	AE data
36	H/L	AD00	AE data
37	H/L	8B0C	AE data
38	H	17	AE data
* 38	L	87	BC (battery check) data
39	H/L	8B04	AE data
3A	H	08	AE data
3A	L	07	AF data
* 3B	H/L	05CF	AF data
* 3C	H/L	0000	AF data
* 3D	H/L	0000	AF data
* 3E	H/L	0000	AF data
* 3F	H/L	B4AA	AF data
★ 40	H/L	→	(Soft focus mode : 50FF / without soft focus mode : 5000)
41	H/L	1C4B	AF data
42	H/L	4080	AF data
43	H/L	3268	AF data
44	H	89	BC data



ADDRESS	H/L	DATA	
44	L	7E	AF data
45	H/L	0435	AF data
46	H/L	020C	AF data
47	H/L	4667	FCS data
48	H/L	CD6E	FCS data
49	H/L	7369	FCS data
* 4A	H/L	6060	FCS data
* 4B	H/L	8080	FCS data
* 4C	H/L	8080	FCS data
* 4D	H/L	8080	FCS data
* 4E	H/L	8080	FCS data
* 4F	H	80	FCS data
4F	L	0A	TEM data
50	H/L	061E	FCS motor data
51	H	0A	
51	L	A8	AE (BLC) data
52	H/L	0154	AF data
53	H	05	Zoom data
53	L	3C	AE data
54	H/L	4C3C	AE data
55	H	04	Zoom data
55	L	0A	FCS data
56	H/L	5032	Zoom data
57	H/L	0208	Zoom data
58 - 5B	H/L		Factory use
5C	H/L	0305	AE (BLC) data
5D	H	07	AE (BLC) data
5D	D	21	Zoom data
* 5E - FF	H/L	0000	AF data

* mark : It might be changed when you adjusted.

★ mark : Data has been changed.



11. Explanation for EEPROM indication

ADDRESS	0/8	1/9	2/A	3/B	4/C	5/D	6/E	7/F
00X	AAFF	0000	5C68	0000	EF00	0000	0000	0000
00X	963C	7E8D	1804	4774	7974	7478	7A77	7777
01X	7E74	625C	6554	655A	0505	1914	683C	823C
01X	833C	3C3C	53A0	3210	1028	303A	EAEA	1511
02X	5870	8D28	14B8	B8C5	99E3	2A95	9997	8099
02X	674C	156E	E188	52BE	6C74	7674	5B47	7C0B
03X	8B10	1580	6036	368B	0306	5400	AD00	8B0C
03X	1787	8B04	0807	05CF	0000	0000	0000	B4AA
04X		1C4B	4080	3268	897E	0435	020C	4667
04X	CD6E	7369	6060	8080	8080	8080	8080	800A
05X	061E	0AA8	0154	053C	4C3C	040A	5032	0208
05X					0305	0721		
06X								
06X								
07X								
07X								

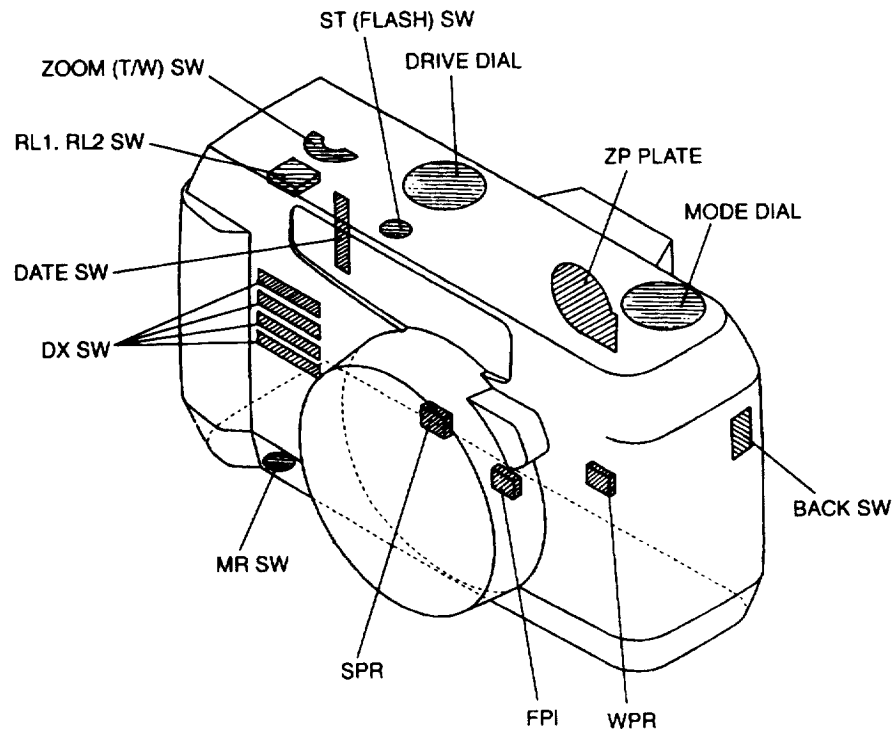
B

A : In case the address is 16, its high-order data is 68 and its low order data is 3C.

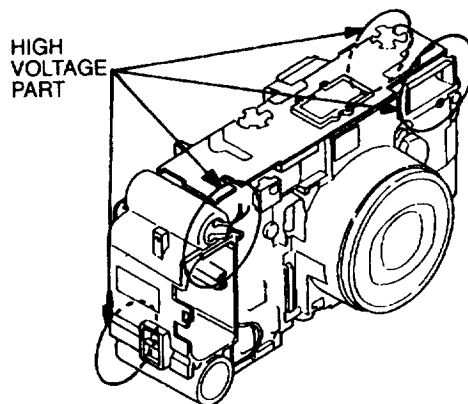
B : In case the address is 38, its high-order data is 17 and its low order is 87.



ARRANGMENT OF SWITCHES

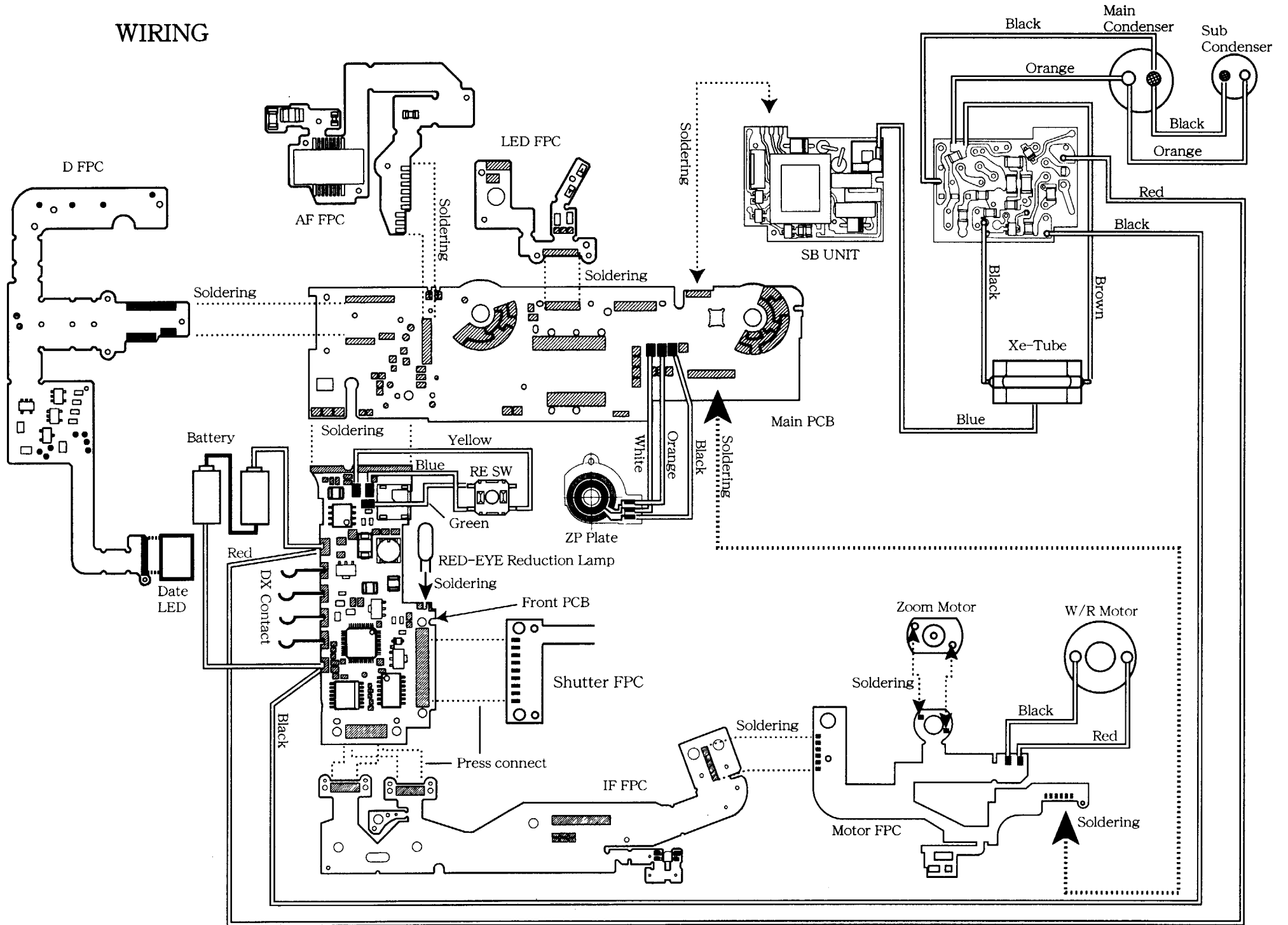


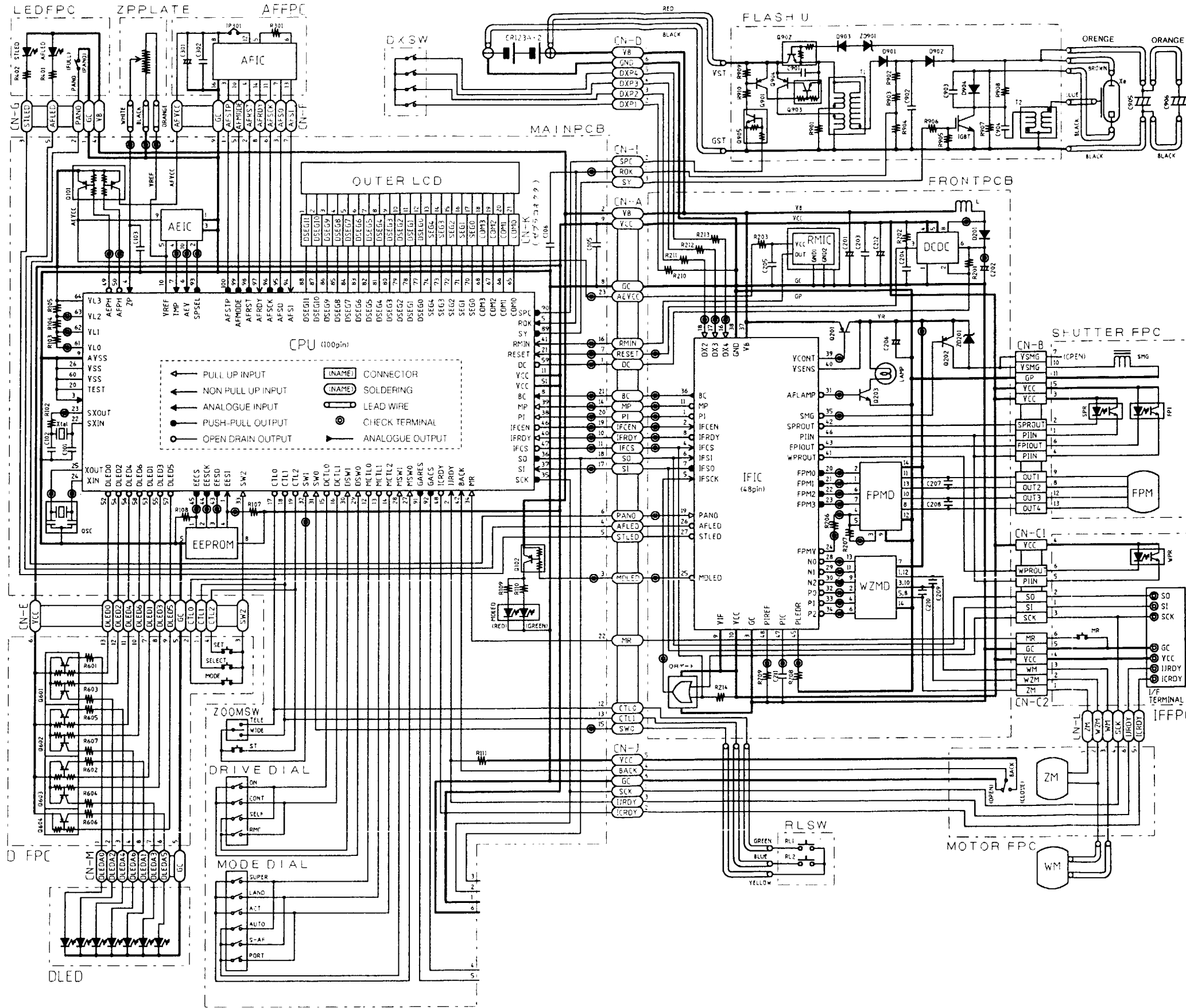
CAUTION FOR HIGH VOLTAGE



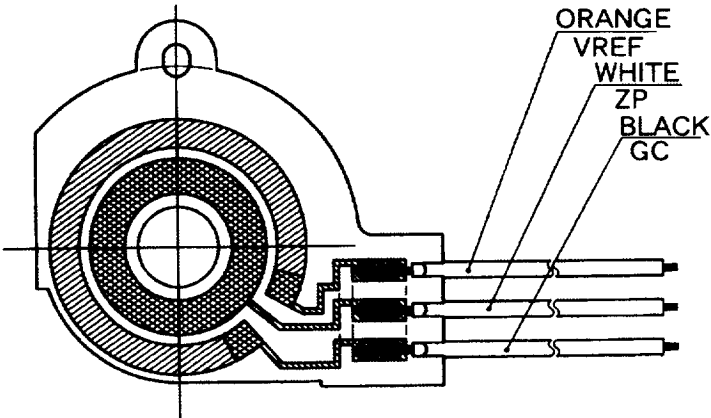
WIRING

-E2 · ZOOM800-

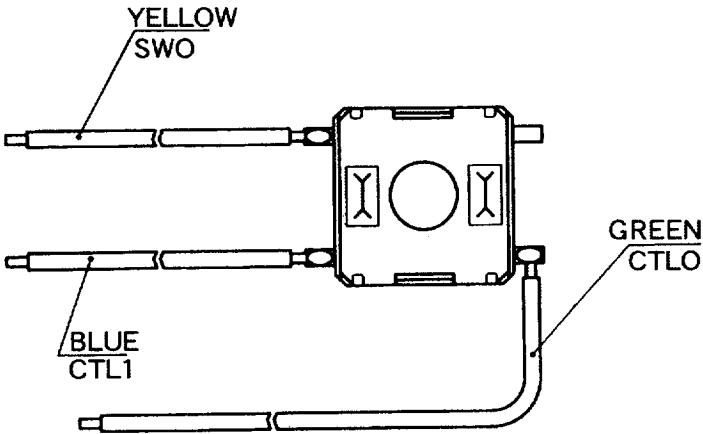




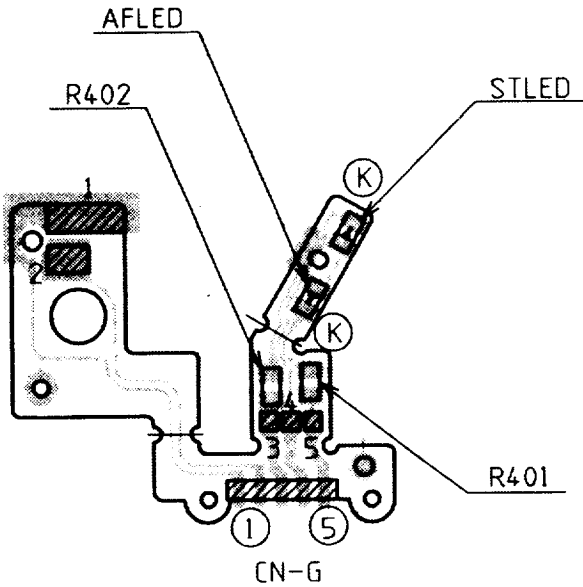
ZP PLATE



RL SW

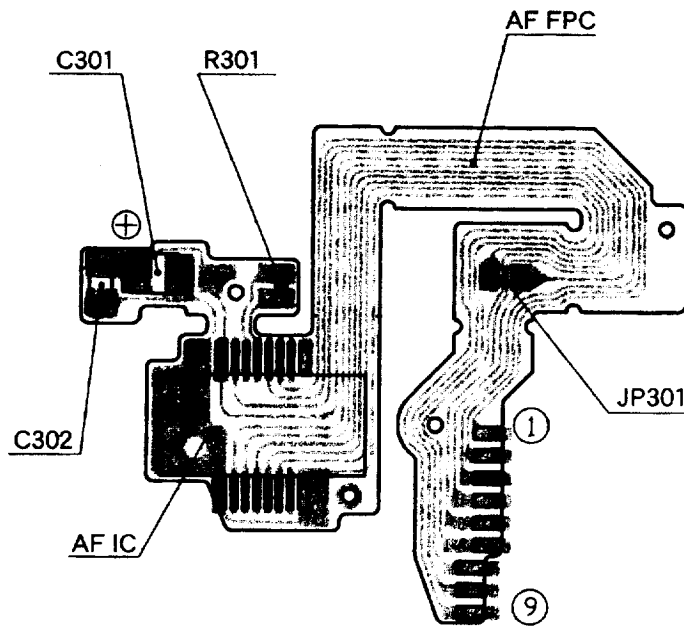


LED FPC



CN-G (MAIN PCB)	
No.	
1	GC
2	PANO
3	STLED
4	VB
5	AFLED

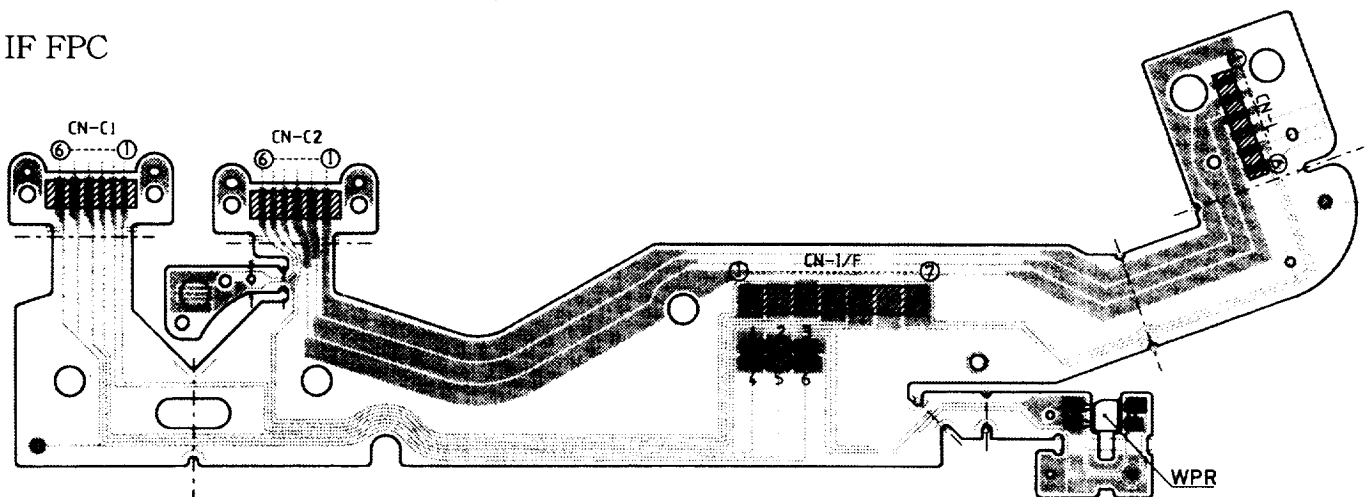
AF FPC



CN-F (MAIN PCB)

No.	
1	AFSTP
2	AFRST
3	AFSO
4	AFVCC
5	AFMODE
6	AFSCK
7	AFSI
8	AFRDY
9	GC

IF FPC



CN-C1 (FRONT PCB)

No.	
1	SI
2	SO
3	SCK
4	VCC
5	PIIN
6	WPROUT

CN-CL (MOTOR PCB)

No.	
1	ZM
2	WZM
3	WM
4	SCK
5	ICRDY
6	IIRDY

No.	
1	VCC
2	PIIN
3	WPROUT
4	VCC
5	PIIN
6	WPROUT
7	PIIN
8	VCC
9	WPROUT
10	VCC

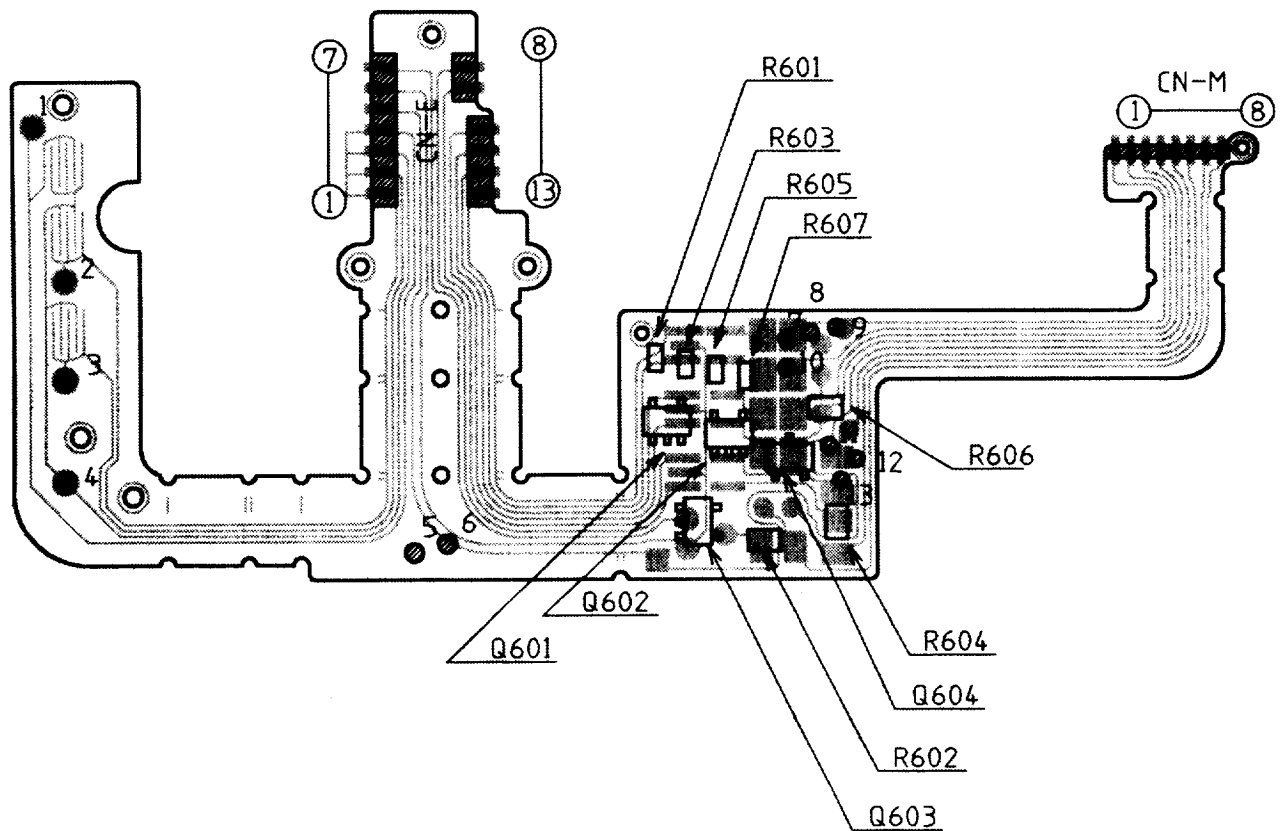
CN-C2 (FRONT PCB)

No.	
1	ZM
2	WZM
3	WM
4	VCC
5	GC
6	MR

CN-I/F (for Tool)

No.	
1	GC
2	VCC
3	IIRDY
4	SI
5	SO
6	SCK
7	ICRDY

D FPC



CN-E (MAIN PCB)

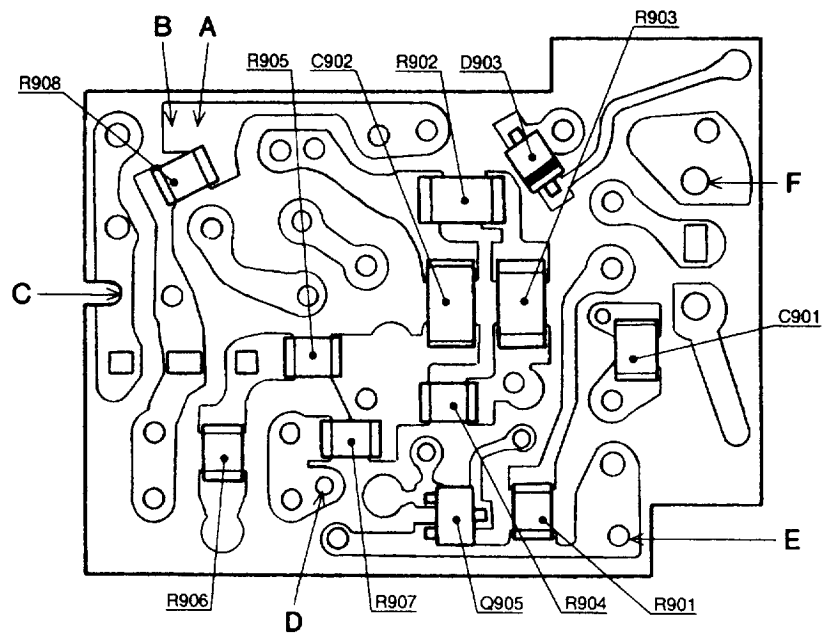
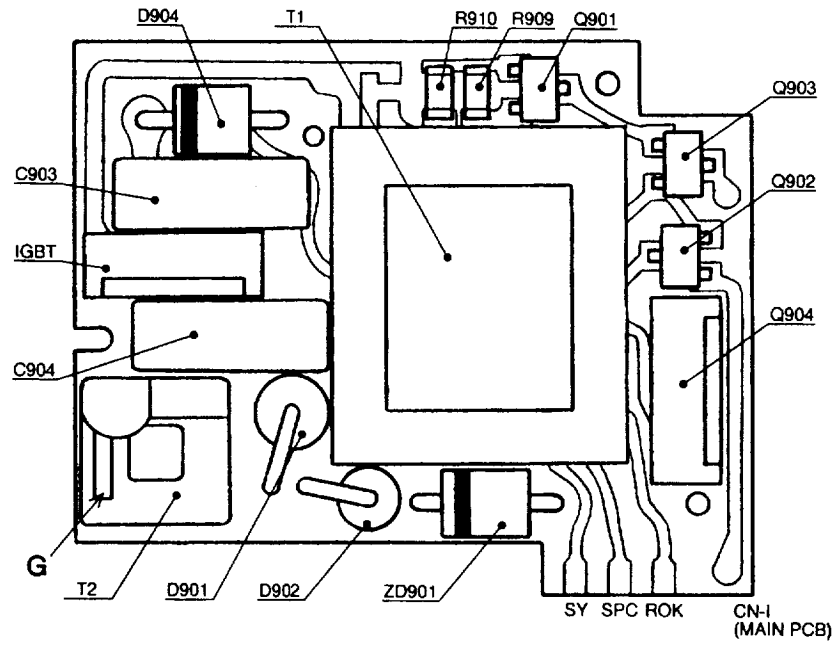
No.	
1	CTL 1
2	CTL 0
3	SW2
4	CTL 2
5	GC
6	VCC
7	DLED 1
8	DLED 3
9	DLED 5
10	DLED 6
11	DLED 4
12	DLED 2
13	DLED 0

CN-M (DLED)

No.	
1	VCC
2	PIIN
3	WPROUT
4	VCC
5	PIIN
6	WPROUT
7	PIIN
8	VCC
9	WPROUT
10	VCC

No.	
1	CTL 2
2	CTL 1
3	CTL 0
4	SW2
5	GC
6	VCC
7	DLED 4
8	DLED 2
9	DLED 0
10	DLED 6
11	DLED 5
12	DLED 1
13	DLED 3

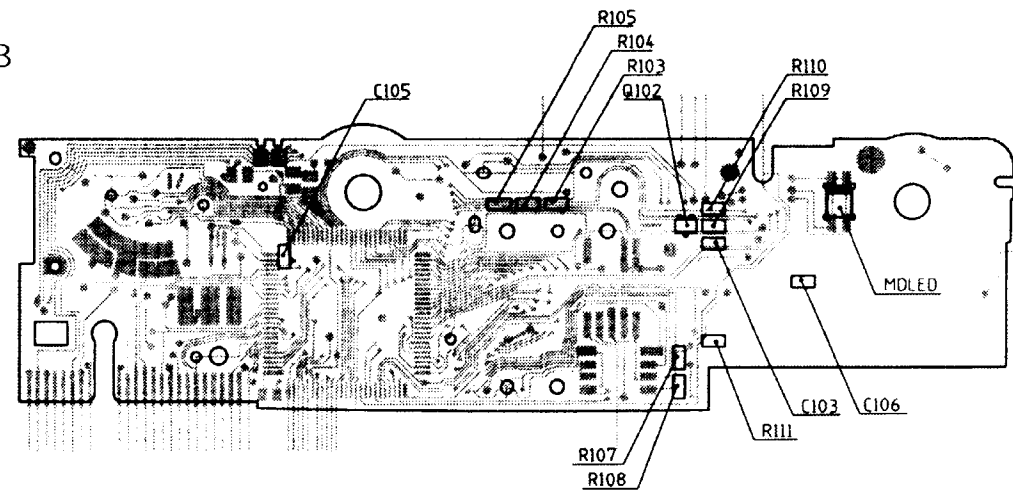
FLASH UNIT



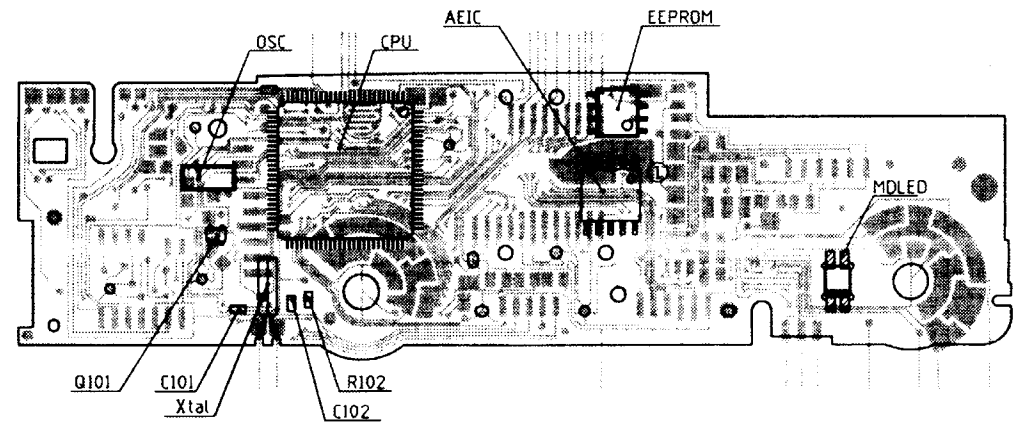
LEAD WIRES

A	BROWN (xe+)
B	ORANGE (MC+)
C	BLACK (MC-)
D	BLACK (xe-)
E	BLACK (GND:BAT-)
F	RED (VB:BAT+)
G	BLUE (TRG)

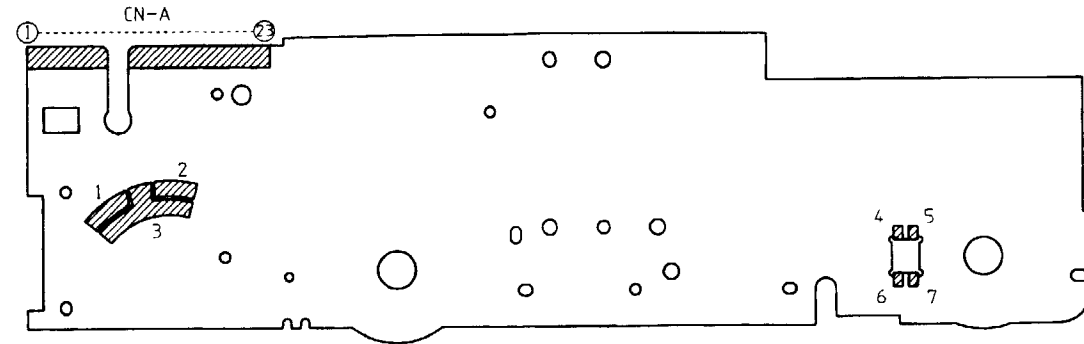
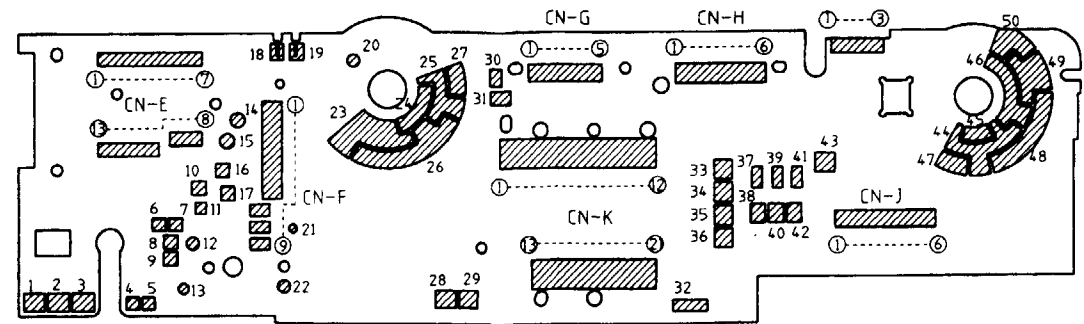
MAIN PCB



TOP



BOTTOM



CN-A (FRONT PCB)

No.		No.	
1	DC	14	MP
2	VB	15	SW 0
3	MDLED	16	RMIN
4	AFLED	17	SI
5	STLED	18	SO
6	PANO	19	IFCEN
7	RESET	20	PI
8	GC	21	BC
9	VCC	22	MR
10	IFRDY	23	AEVCC
11	IFCS		
12	CTL 0		
13	CTL 1		

CN-E (DFPC)

No.	
1	CTL 1
2	CTL 0
3	SW 2
4	CTL 2
5	GC
6	VCC
7	DLED 1
8	DLED 3
9	DLED 5
10	DLED 6
11	DLED 4
12	DLED 2
13	DLED 0

CN-F (AFFPC)

No.	
1	AFSTP
2	AFRST
3	WPROUT
4	AFSO
5	AFVCC
6	AFMODE
7	AFSCK
8	AFSI
9	AFRDY
10	GC

CN-G (LEDFPC)

No.	
1	GC
2	PANO
3	STLED
4	VB
5	AFLED

CN-I (FLASH PCB)

No.	
1	ROK
2	SPC
3	SY

CN-J (MOTOR FPC)

No.	
1	SCK
2	ICRDY
3	IIRDY
4	BACK
5	VCC
6	GC

CN-K (OUTER LCD)

No.	
1	DSEG 11
2	DSEG 10
3	DSEG 9
4	DSEG 8
5	DSEG 7
6	DSEG 6
7	DSEG 5
8	DSEG 4
9	DSEG 3
10	DSEG 2
11	DSEG 1
12	DSEG 0
13	SEG 4
14	SEG 3
15	SEG 2

CN-K (OUTER LCD)

No.	
16	SEG 1
17	SEG 0
18	COM 3
19	COM 2
20	COM 1
21	COM 0

CN-K (OUTER LCD)

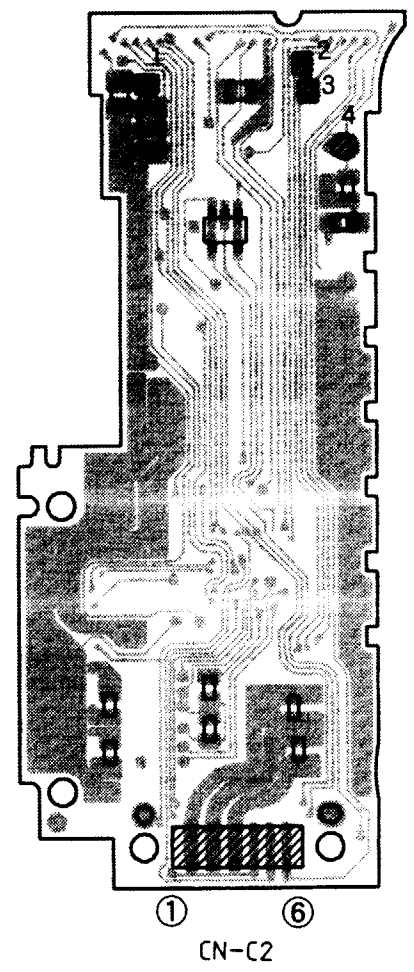
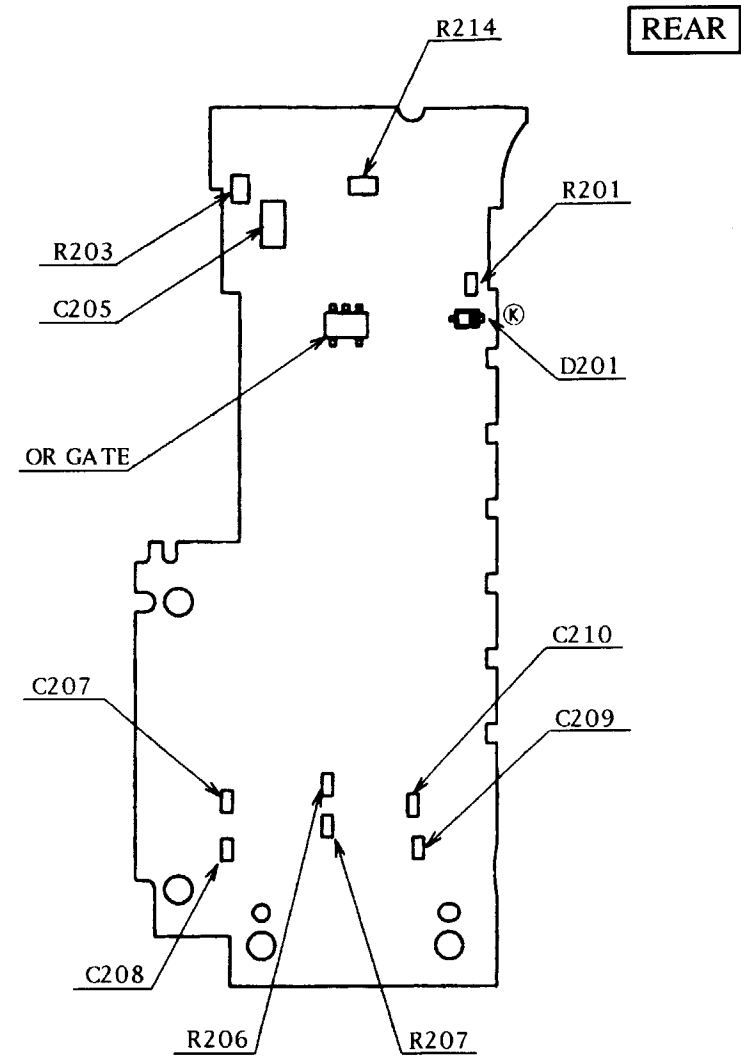
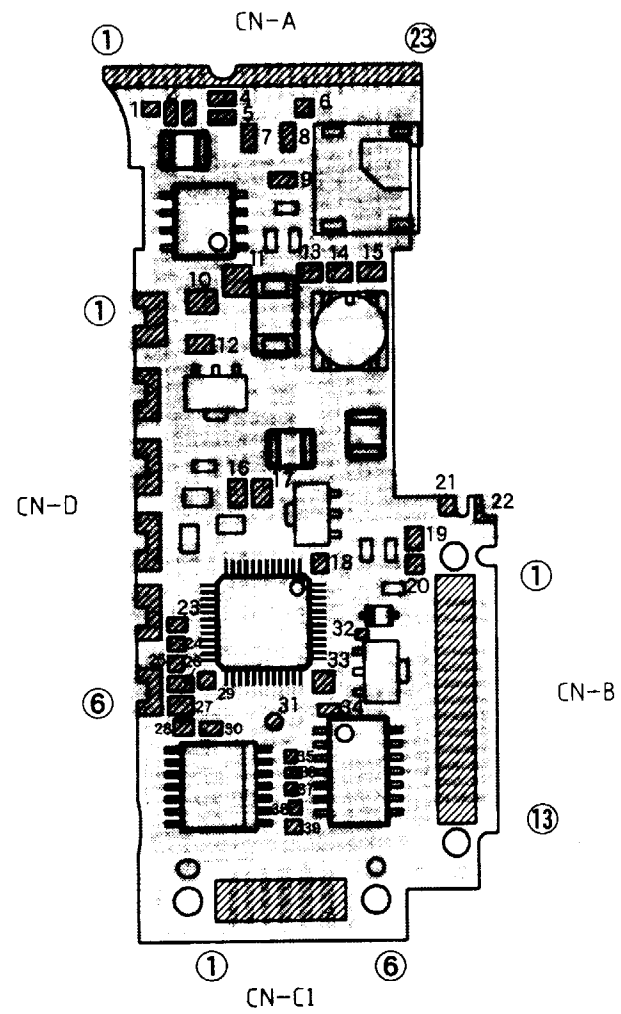
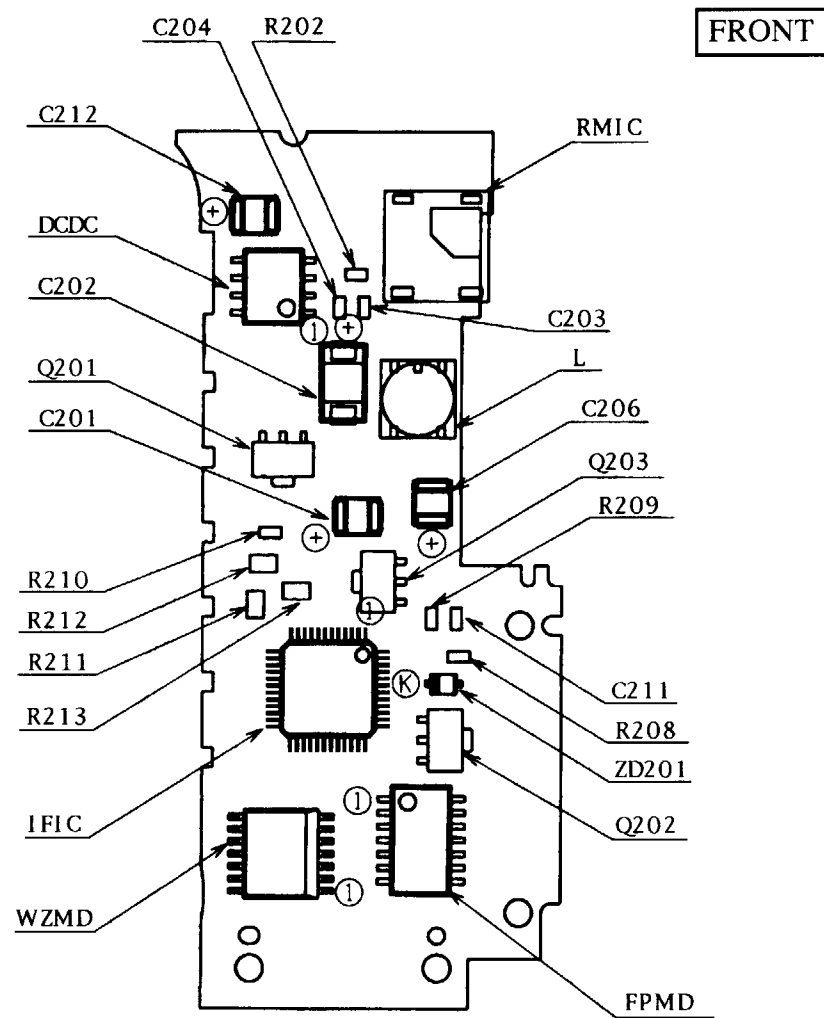
No.	CHECK TL
1	DC
2	MDLED
3	RESET
4	IFRDY
5	IFCS
6	SW 1
7	RMIN
8	MP
9	IFCEN
10	SXOUT
11	XOUT
12	PI
13	SW 0
14	AEPH
15	AFPH
16	AEVCC
17	XIN
18	SXIN
19	SXOUTX
20	VLO
21	SI
22	BC
23	DSW 0
24	DSW 1
25	DCTL 1
26	DCTL 0
27	DSW 0
28	AEV
29	EESO

CN-K (OUTER LCD)

No.	CHECK TL
30	VL 1
31	VL 2
32	TMP
33	SPSEL
34	EESCK
35	EESCS
36	EESI
37	ZP(WHITE)
38	ZP
39	VREF(ORANGE)
40	VREF
41	GC(BLACK)
42	GC
43	ROK
44	MSWO
45	MCTL 1
46	MSW 1
47	MCTL 0
48	MCTL 2
49	MCTL 0
50	MCTL 1

CN-K (OUTER LCD)

No.	CHECK TL
1	CTL 0
2	CTL 1
3	SW 1
4	MDLEDG-A
5	MDLEDR-A
6	GC
7	GC



CN-A (MAIN PCB)

No.		No.	
1	DC	14	MP
2	VB	15	SW 0
3	MDLED	16	RMIN
4	AFLED	17	SI
5	STLED	18	SO
6	PANO	19	IFCEN
7	RESET	20	PI
8	GC	21	BC
9	VCC	22	MR
10	IFRDY	23	AEVCC
11	IFCS		
12	CTL 0		
13	CTL 1		

CN-B (SHUTTER FPC)

No.	
1	PIIN
2	SPROUT
3	VCC
4	PIIN
5	VCC
6	FPIOUT
7	VSMG
8	OUT 2
9	OUT 1
10	VSMG
11	GP
12	OUT 3
13	OUT 4

CN-C1 (IF FPC)

No.	
1	SI
2	SO
3	SCK
4	VCC
5	PIIN
6	WPROUT

CN-D (DX SW)

No.	
1	VB
2	DXP 1
3	DXP 2
4	DXP 3
5	DXP 4
6	GND

No.	CHECK TL	No.	CHECK TL
1	MDLED	21	VR
2	PANO	22	VAFLAMP
3	RESET	23	DX 2
4	IFRDY	24	FPM 1
5	IFCS	25	FPM 2
6	MP	26	FPM 3
7	SW 0(YELLOW)	27	N 0
8	CTL 1(BLUE)	28	N 1
9	CTL 0(GREEN)	29	FPMV
10	VC	30	N 2
11	VDD	31	P 2
12	VCONT	32	SMG
13	IFCSK	33	BC
14	IFCEN	34	VR
15	PI	35	FPM 0
16	DX3	36	PMVREF
17	DX4	37	P 1
18	PIREF	38	VC1/VC2
19	AFLAMP	39	P 0
20	PLEDR		

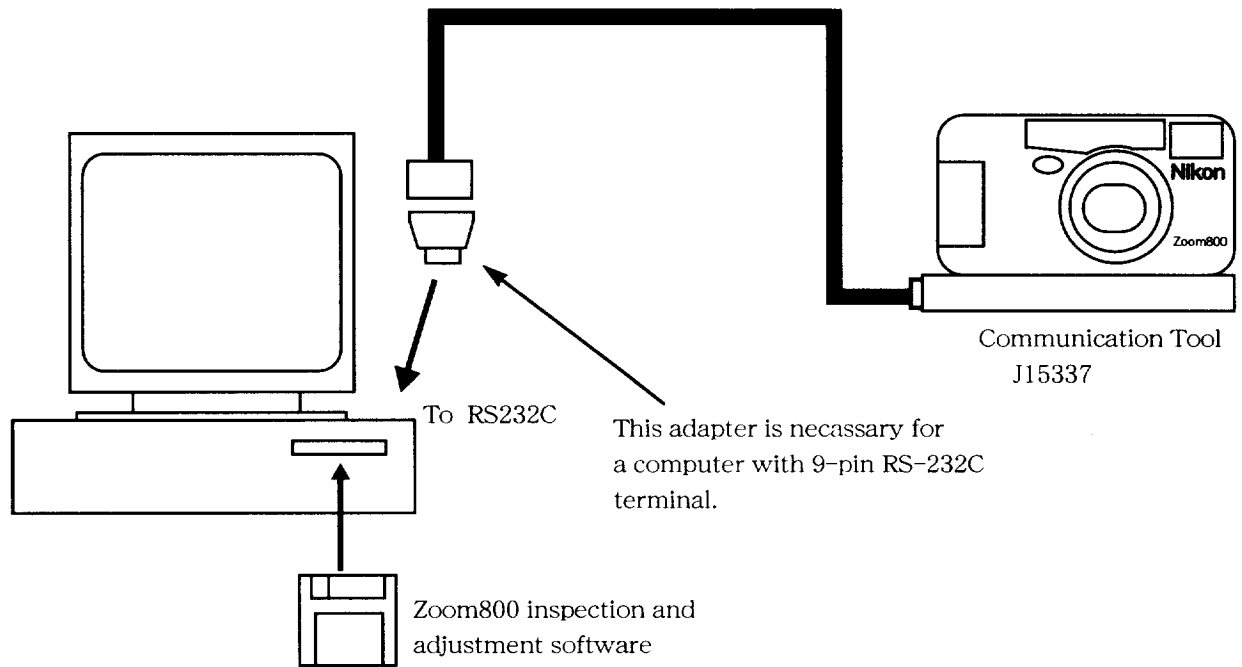
CN-C2 (SHUTTER FPC)

No.	
1	ZM
2	WZM
3	WM
4	VCC
5	GC
6	MR

No.	
1	AEVCC
2	STLED
3	AFLED
4	DC

Tool

1. Zoom800 inspection and adjustment system



2. Specified tool

Tool number	Name	Remarks
J15337	Communication tool	
J15338	AF Chart (1m)	
J15339	AF Chart (3m)	
J15340	ZP Adaptor	
J15341	Plate	
J15342	Gauge (56.26mm ,78.84mm)	
J18292A	Zoom800 Software	NEC 5 inch
J18292B	Zoom800 Software	NEC 3.5 inch
J18292C	Zoom800 Software	IBM 5 inch
J18292D	Zoom800 Software	IBM 3.5 inch
J9001-1	DC regulated power supply	Metronics 526 (0~18V,2A)
J15291	Micro stand for adjusting FFD	
J19036	Multi shutter tester	EF-511N
J19004-1	Dial gauge with stand	
J 19019	Collimator	Goko 24LT-2DTS, f=193.5

2. Other tool

Thermometer
Tape measuer